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Vol. 10.] 1909. [No. 1.

Tuesday, 12th January.

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THE

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Notices.
Applications Received, 13,422 to 13,453.
Commonwealth Proceedings.
States Proceedings.

Supplement—Monthly Indexes, December, 1908.

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C.15676.

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ADVERTISEMENTS.

NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent **No. 6838,** dated the 5th of September, 1906, for

"Improvements in receivers for electrical oscillations"

is prepared to satisfy any demands and all requirements of the public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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Licences on Royalty or otherwise as may be arranged will, if desired, be issued on reasonable terms.

All enquiries and other communications to be addressed (by principals) to the Patentee's Agents:

G. G. TURRI & CO.,

Registered Patent Attorney No. 1,

Head Office, 366 Collins St., Melbourne

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Licences on Royalty or otherwise as may be arranged will, if desired, be issued on reasonable terms.

All enquiries and other communications to be addressed (by principals) to the Patentee's Agents:

G. G. TURRI & CO.,

Registered Patent Attorney No. 1,

Head Office, 366 Collins St., Melbourne

(removing about 25th January to 497–499 Collins St., The "Rialto.")

NOTICE TO INVENTORS.

The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS, and DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & ALLEN,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

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VOL. 10.] 12TH JANUARY, 1909. [No. 1.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Subscriptions for 1909	1
Payment of Acceptance and Sealing Fees	1
List of Registered Patent Attorneys	2
Commonwealth—	
Applications Received	4
Provisional Specifications Accepted	6
Complete Specifications after Provisional	6
Applications (Prov.) Lapsed	7
Applications Abandoned, &c.	7
Assignments Registered	8
Licence Registered	8
Applications for Amendment	9
Commonwealth—*continued.*	
Complete Specifications Accepted	13
Illustrated Notes	13
Specifications (Comp.) open to Public Inspection before acceptance	17
Printed Specifications Published	17
Letters Patent Sealed	19
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed	20
New South Wales—	
Assignments Registered	20
Victoria—	
Renewal Fees Paid	20

NOTICES.

Subscriptions for 1909.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.15676.

List of Patent Attorneys Registered up to 31st December, 1908.

ABELL, Edward Garland, 159 Queen-street, Brisbane, Queensland.

ALLEN, Thomas Con (*Griffith and Allen*), Williamson's Chambers, 163 King-street, Sydney, N.S.W.; and 9 Queen-street, Melbourne, Victoria.

ANDERSON, Alexander (*Charles E. Bernays*), 45 Adelaide-street, Brisbane, Queensland.

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HEDGES, Percy (*Hedges and Co.*), 48 Queen-street, Melbourne, Victoria.

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LE PLASTRIER, Cecil Woods, 533 Collins-street, Melbourne, Victoria.

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MASSEY, Albert Richard William, 71 Post Office Chambers, 114A Pitt-street, Sydney, N.S.W.

MASSEY, George, Post Office Chambers, 114A Pitt-street, Sydney, N.S.W.

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NEIGHBOUR, Arthur George Lloyd, Cromer-road, Beaumaris, Victoria.

NEUJHAR, Albert John, 13 Stock Exchange Buildings, Perth, W.A.

NEWELL, Percy Harwood, care of Fred Walsh, George and Wynyard streets, Sydney, N.S.W.

NEWTON, Perceval Manfield, 437 Collins-street, Melbourne, Victoria.

NEWTON, William Manfield, Challis House, Martin-place, Sydney, N.S.W.

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PHILLIPS, Edwin (*Phillips, Ormonde, and Co.*), 533 Collins-street, Melbourne, Victoria.

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WALSH, Fred, George and Wynyard streets, Sydney, N.S.W.; and The Olderfleet, Collins-street, Melbourne, Victoria.

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WATERS, Edward Needham (*Edwd. Waters and Sons*), 414-418 Collins-street, Melbourne, Victoria; and Gibbs Chambers, 7 Moore-street, Sydney, N.S.W.

WATERS, William Herbert (*Edwd. Waters and Sons*), 414-418 Collins-street, Melbourne, Victoria; and Gibbs Chambers, 7 Moore-street, Sydney, N.S.W.

WATSON, Charles William, Box 687, G.P.O., Melbourne, Victoria.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 4th to 6th January, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

1st and 2nd January.

Public Holidays.

Monday, 4th January.

13,422. *Prov.* George William GREEN, "Lion's Lair," Woy Woy, N.S.W., carpenter,

"Improvements in the manufacture of paper pulp."

13,423. *Prov.* Harry George Read BILLINGTON, Balo-street, Moree, photographer, *nominee of the act. inv.*,

"Improved acetylene gas lamp."

13,424. *Prov.* Peter Roger HUGHES, Waterloo-street, Geelong, Vic., storeman,

"An improved sheaf-tie."

13,425. *Comp.* Herbert SOANES, 160 Adelaide-terrace, Perth, W.A., asbestos specialist,

"An improved electric apparatus for branding."

13,426. *Prov.* William BLUE, 511 Argent-street, North Broken Hill, N.S.W., miner,

"A method to extract metals and the sulphur from sulphide ores."

13,427. *Prov.* William Henry Gregory GEAKE, Vickery's Chambers, 82 Pitt-street, Sydney, N.S.W., manufacturers' agent,

"Reversa twin-front fashion shirt."

13,428. *Prov.* Edwin BOYCE, c/o J. P. Monaghan, Mount Perry, Qld., carrier,

"An improved cane harvester."

13,429. *Prov.* Hans Charles BEHR, Consolidated Goldfields Building, Johannesburg, Transvaal, S. Af., mechanical engineer,

"Improvements in stamp actuating means."

13,430. *Prov.* Albert GROTHE and Herbert Fuller CARTER, both of Calle de Tiburcio No. 22, Mexico, Federal District, Republic of United Mexican States, engineers,

"Process and apparatus in filtering and washing the filtrate."

13,431. *Comp.* William BORLASE, 213 Princes-street, Dunedin, N.Z., engineer,

"Improved variable speed gear."

13,432. *Prov.* Stephen NORTHEY and Arthur Leslie BELL, both of Bethanga-road, Vic., general blacksmiths,

"Improvements in and relating to pliers."

Tuesday, 5th January.

13,433. *Prov.* Bernard Dixon BRUNING, 513 Hay-street, Perth, W.A., printer's engineer,

"Improved method for locking perpetual loose leaf ledger and securing folios of same."

13,434. *Prov.* John James NORTON, Kundip, Phillips River, W.A., miner,

"New composition fire brick."

13,435. *Prov.* Horace Hamilton TIPPETT, "Stanhope," 28 Park-road, Moore Park, N.S.W., plumber,

"Improvements in earth closet pans."

13,436. *Comp.* THE NEW ZEALAND DIAMOND SIGN COMPANY LIMITED, 3 Panama-street, Wellington, N.Z., advertising contractors, *assignee of the act. inv.*,

"Improvements in letters for shop fronts and for general advertising purposes."

Applications received, 4th to 6th January—*continued.*

13,437. *Comp.* Dale Marshall, 30 Winchcombe-street, Cheltenham, Gloucestershire, Eng., engineer,

"Improvements in and connected with means for locking nuts and the like on bolts and the like, and for locking them to surfaces or one to each other."

13,438. *Comp.* Oscar Arnold, Neustadt, nr. Coburg, Germany, manufacturer,

"Improvements in speaking dolls and the like."

13,439. *Comp.* John Hutchings, Capel House, 62 New Broad-street, London, Eng., mechanical and mining engineer,

"Improvements in and relating to direct acting pumping engines."

13,440. *Comp.* Jacob Henrichsen, 21 Loengangsstraede, Copenhagen, Denmark, merchant, and Carl Johannes Hemmingsen, 10 Enghavevej, Copenhagen, Denmark, machine manufacturer,

"Improvements in milking appliances."

13,441. *Prov.* Edward Lee, Kinross Station, near Germanton, N.S.W., overseer,

"Improved apparatus for making an emergency fire-break."

Wednesday, 6th January.

13,442. *Prov.* Richard Wilkinson, 11 Bryanston-street, London, W., Eng., gentleman,

"Improvements in apparatus for delivering matches singly."

13,443. *Comp.* Société Anonyme des Tabacs Desintoxiques en faillite, Geneva, 18 Rue de Lancy, Acacias, Canton of Geneva, manufacturer, *assignee of* Dr. Léon Parant, *act. inv.*,

"New process for removing the nicotine from tobacco."

13,444. *Prov.* Herbert John Ramshaw, 23 Turner-street, Abbotsford, Melbourne, Vic., drysalter,

"Tin or metal top for sealing glass jam jars and the like."

13,445. *Prov.* Edward Parry, Tranmere-street, Drummoyne, N.S.W., gentleman,

"Improvements in non-refillable bottles."

13,446. *Prov.* George Richard Warren, Military-road, Mosman, N.S.W., plumber, and Herbert George Freeman, 12 O'Connell-street Sydney, N.S.W., agent,

"An instrument to give motion to a playing bowl and to direct its course for the purpose of testing the bias on a lawn or other surface."

13,447. *Prov.* John Henry Jenkins and Arthur Horatio Baker, both of "Rhodesia," 19 Arthur-street South, Lavender Bay, North Sydney, N.S.W., advertising contractors,

"The stereoscopic pictorial and panoramic advertising machine."

13,448. *Prov.* Patrick Bourke, 7 St. James' Buildings, William-street, Melbourne, Vic., clerk,

"An improved multiple boring machine for fence posts and the like."

13,449. *Comp.* The Ballarat Trustees and Agency Company Limited, Camp-street, Ballarat, Vic., *legal representative of* Julius Reinhold Sporn, deceased, *act. inv.*,

"An improved construction of tooth for the combs of strippers and harvesters."

13,450. *Prov.* William McKenzie, drilling contractor, c/o Edward Waters and Sons, 7 Moore-street, Sydney, N.S.W., patent attorneys, *communicatee of* John R. Watt, *act. inv.*, Third-avenue, Detroit, Michigan, U.S.A., bricklayer,

"Improved bracket."

13,451. *Prov.* William McKenzie, drilling contractor, c/o Edward Waters and Sons, 7 Moore-street, Sydney, N.S.W., patent attorneys, *communicatee of* John R. Watt, *act. inv.*, Third-avenue, Detroit, Michigan, U.S.A., bricklayer,

"Improved device for splicing wooden uprights."

13,452. *Prov.* William McKenzie, drilling contractor, c/o Edward Waters and Sons, 7 Moore-street, Sydney, N.S.W., patent attorneys, *communicatee of* John R. Watt, *act. inv.*, Third-avenue, Detroit, Michigan, U.S.A., bricklayer,

"Improved putlog."

13,453. *Prov.* Harold William Aspinall, Birchip, Vic., surveyor,

"An improved multi-color fountain pen."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

11,948. Frew, R. D., Gilmour, J., & Cole, J. F.
12,861. Wilson, E. G.
Improvements in flying machines.
13,030. James, L.
13,041. Graham, J. H., & Watts, H. M.
13,045. Borchardt, N.
13,084. Peters, J. H.
13,103. Sumsion, C. B.
13,109. Anderson, J., & Holland, H. C.
13,113. Elliott, G. B. B.
An improved shaped grating for pulverising mills.
13,144. Wright, H. B., & Jaentsch, A. J. R.
13,193. Turnbull, E.
13,196. Hylard, J.
13,197. Hensley, A. W.
13,198. Quinlivan, T.
13,205. Un. Shoe Mach. Co. (Bates)
13,206. Un. Shoe Mach. Co. (Wells)
13,207. Un. Shoe Mach. Co. (Bertrand)
13,210. Stowe, G. T., & Jones, O.
13,216. Shipman, Mildred
13,219. Cane, C. S. E., & Jones, E. H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

10,967. Thomas WARNER, 66 Freeman-street, North Fitzroy, Vic., joiner, and Jaan KANNULUIK, 306 Queen-street, Melbourne, Vic., furniture and cabinet maker,

"Improvements in and connected with safety appliances for lifts or elevators." 4th Jan., 1909.

11,186. Richard John PRICE, 36 Auburn-road, Hawthorn, Vic., and Henry Albert BESWICKE, 33 Godfrey-street, Melbourne, Vic., manufacturers,

"Franking and posting machine." 4th Jan., 1909.

11,202. George CHIVERS, 16 Julia-street, Brisbane, Qld., carpenter,

"Apparatus for increasing the flow of water in low pressure bores." 4th Jan., 1909.

11,222. George William WALKER, 6 Austin-street, Hawthorn, Vic., electrician,

"An improved combination for use in roof or like coverings specially applicable to air conduits for ventilation purposes." 6th Jan., 1909.

11,227. John Joseph REILLY, 448 Lygon-street, Carlton, Vic., insurance agent,

"Reinforced compressed block walling and barbed or other wire fencing, being fire, rabbit, and other vermin proof." 4th Jan., 1909.

11,261. Charles Theodore NIEBEL, "The Pines," Cairns, Qld., accountant,

"An improved divided sanitary pan." 6th Jan., 1909.

11,359. Joseph WILLIS, 267 Shafston-road, Kangaroo Point, Brisbane, Qld., stonemason,

"An improved joint." 4th Jan., 1909.

11,849. John William BOYLAND, c/o J. Leahy, Queen's Chambers, Queen's-place, Sydney, N.S.W., shearer,

"An improved rock or finger spring for the combs and cutters of sheep-shearing machines." 6th Jan., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

10,959. Hall, C. J.
10,961. Williams, W. R.
10,964. Crosse, A. F.
10,966. Beck, A.
10,970. Nagel, O.
10,976. Curtin, J. F.
10,977. Fosbery, L. A.
10,978. Nelken, L.
10,979. French, J. W. H., & Laidlay, T. W.
10,981. Cornell, J.
10,982. Barnett, D. M.
10,985. Beauchamp, J.
10,991. Brewster, R. C., & Buck, H. W.

Applications Abandoned, Withdrawn, &c.

1905.

4827. *Comp.* (*Lapsed.*) Emil Theodore BOOTH, 11 Peake-street, Ballarat East, Vic., contractor,

"Speedwell amalgamator & concentrator."

1907.

9605. *Comp.* (*Abandoned.*) Alwin FISCHER, O'Connell-street, North Adelaide, S.A., plumber,

"Improvements in dressing sterilizers."

9642. *C.a.P.* (*Abandoned.*) Henry Oliver TITCHENER, "Earlswood," Rocklands-road, Wollstonecraft, North Sydney, N.S.W., engineer.

"Improvements in and relating to linotype moulds for producing two or more bodies."

9845. *C.a.P.* (*Lapsed.*) Edward STATTON, Hallett, S.A., machinist,

"Improvements in or relating to stump-jump cultivators and ploughs."

9890. *C.a.P.* (*Lapsed.*) Peter McNAUGHTON, Hamilton, Vic., farmer,

"Washing machine."

1903.

12,614. *Prov.* (*Withdrawn.*) John Harold HUTCHINSON, Queens-avenue, off Dominion-road, Auckland, N.Z., engineer,

"Improvements in means for transporting merchandise & other material."

Assignments Registered.

1904.

185. "An improved pneumatic horse collar."

Assignment of the whole *by* James HULL *to*

James CHANNON. Dated 10th Dec., 1908. Registered 5th Jan., 1909.

1351. "An improvement in the feed mechanism of rabbit poison distributors."

Assignment of the whole *by* Stephen NORTHEY and Arthur Leslie BELL *to*

Albert Edward BOWMAN. Dated 15th Dec., 1908. Registered 5th Jan., 1909.

1905.

2974. "Improvements in apparatus for displaying illuminated multi-coloured signs or advertisements."

Assignment of the whole *by* Howard William CHINNERY *to*

Charles Henry WOODHEAD. Dated 21st Aug., 1908. Registered 5th Jan., 1909.

4799. "An improved pneumatic saddle for horses and other animals."

Assignment of the whole *by* PNEUMATIC HARNESS LIMITED (in liquidation) and William John FITZSIMONS, liquidator of said company, *to*

James CHANNON. Dated 15th Dec., 1908. Registered 5th Jan., 1909.

Licence Registered.

1907.

7901. "An improved horse collar."
Licence *granted by* Jack Godfrey LE COUTEUR *to*

F. LASSETTER AND COMPANY LIMITED for the full term of Letters Patent, for the States of New South Wales and Queensland. Dated 15th Dec., 1908. Registered 7th Jan., 1909.

Applications for Amendment.

Notice is hereby given that any person intending to oppose the undermentioned Applications must leave, at the Patent Office, Melbourne, within one month from the date of this Journal, notice (on Form K) of objections thereto.

1907.

10,517. 23 Dec. (*See* page 851.) "Improvements in the running gear of railway cars. 'M.'"

Arthur Reginald Angus (*applicant*) seeks leave to amend the Complete Specification and drawings in connexion with the application lodged on the above date, as below, alleging as the reasons: "That unless the amendments as set forth are included in the specification and drawings the use of some of the parts may be likely be confused and that I have been advised that the specification may be made clearer by their inclusion therein."

The references are to the certified copy lodged with the Application for Amendment on 16th December, 1908.

Proposed Amendments.

1. Page 2, line 12, *insert* the words "one part of" between the words "first" and "a".

2. Page 2, line 27, *delete* the word "returning" between the words "for" and "the" and *insert* the word "retaining" in lieu thereof.

3. Page 3, line 3, *delete* the word "preferably" between the words "or" and "so" and *insert* the word "practically" in lieu thereof.

4. Page 3, line 32, *insert* the words "a vertical plane" between the words "down" and "from"

5. Page 4, line 1, *insert* the words "as aforesaid" between the words "down" and "from"

6. Page 4, line 11, *insert* the words "as aforesaid" between the words "line" and "so"

7. Page 4, line 20, *insert* the words "lying due North and South" between the words "way" and "being"

8. Page 4, line 34, *delete* the words "the illustration" between the words "in" and "is" and *insert* the words "this explanation" in lieu thereof.

9. Page 5, line 4, *delete* the first word "illustration" and *insert* the word "explanation" in lieu thereof; *add* letter "s" to the word "surface"

10. Page 7, line 2, *delete* the word "due" between the words "be" and "north" and *insert* the words "towards the" in lieu thereof. *Delete* the letter "a" between the words "point" and "being" and *insert* the letter "b" in lieu thereof.

11. Page 7, line 3, *delete* the word "inner" between the words "the" and "extremity" and *insert* the word "outer" in lieu thereof.

12. Page 7, line 5, *delete* the letter "c" between the words "point" and "the" and *insert* the letter and word "d" "on" in lieu thereof.

13. Page 7, line 6, *delete* the letter "b" between the words "point" and "of" and *insert* the letter "a" in lieu thereof.

14. Page 7, line 7, *delete* the word "outer" between the words "the" and "extremity" and *insert* the word "inner" in lieu thereof.

15. Page 7, line 9, *delete* the letter "d" between the words "point" and "on" and *insert* the letter "c" in lieu thereof.

16. Page 7, line 10, *delete* the words "due South" between the words "be" and "contrary"

17. Page 7, lines 20, 21 and 22, *delete* the words from "each" to "reversed" inclusive and *insert* the words "the points 'b' and 'a' on the axial line take up correspondingly relative positions to the points 'c' and 'd' on the said fixed 'initial line'"

18. Page 8, line 12, *insert* the sentence "A characteristic feature of such bearings being that the said bearings are capable of effecting a small or slight movement together with the semi-axles within their bearing blocks (hereinafter mentioned) in a horizontal plane so as to permit the wheels of the car to effect radial action as hereinbefore mentioned whilst at the same time the bearings seek to restrain movement of the semi-axles up or down a vertical plane from the axial line" after the word and stop "semi-axles."

19. Page 8, line 26, *insert* the words "moving up or down a vertical plane" after the last word "from"

20. Page 8, line 27, *delete* the first word "responding" and *insert* the words "in response" in lieu thereof.

21. Page 9, line 11, *insert* the word "of" between the words "frame" and "which"

22. Page 9, line 12, *insert* the word "part" between the words "form" and "should"

23. Page 9, line 26, *insert* the word "each" before the first word "of"

Applications for Amendment—*continued.*

24. Page 10, line 6, *insert* the words " each of which said side plates consists of an upper and a lower part the said upper part being integral with the said top plate of the keeps-box and the said lower part being integral with the said bottom plate of the keeps-box " between the words " plates " and " and "

25. Page 10, line 7, *insert* the words " are placed within the said keeps box " after the word " keepers "

26. Page 10, line 16, *insert* the word " almost " between the words " are " and " in "; *insert* the words " in close contact on their " between the words " and " and " bottom "

27. Page 10, line 30, *insert* the word " U-shaped " between the words " a " and " plate "

28. Page 11, line 7, *delete* the word " distanct " between the word "-ably " and " from " and *insert* the word " distant " in lieu thereof.

29. Page 11, line 11, *delete* the first word " even " and *insert* the word " event " in lieu thereof.

30. Page 13, line 34, *delete* the words " a slotted " between the words " through " and " orifice " and *insert* the word " an " in lieu thereof.

31. Page 13, line 35, *delete* the whole of this line and *insert* the following words " which axial liners 63 extend along the sides of "

32. Page 14, line 1, *delete* the first word " embrace "

33. Page 14, line 3, *delete* the word " lines " between the word and figures " axial " and " 63 " and *insert* the word " liners " in lieu thereof.

34. Page 14, line 12, *insert* the following paragraphs after this line.

" The brake bar 67 connects the brake shoes 66 which brake shoes 66 may be affixed to the cross bearers 25 as shewn in Figure 2.

The first of the said factors of safety for preserving the axial line consists of the use of an upper part 31 and a lower part 32 of the bearings placed on each pair of semi-axles which bearings are positioned within their respective bearing blocks 22 and 23 and bridge pieces 33 so as to restrain movement of the semi-axles 21 up or down a vertical plane whilst permitting slight movement of said bearings and semi-axles on a horizontal plane. The said bearings thus seek to restrain each pair of semi-axles from departing up or down a vertical plane from the axial line till the said bearings are sufficiently worn to permit the top half 46 and bottom half 47 respectively of the keeper to seek to restrain further departure of each pair of semi-axles up or down a vertical plane from the said axial line the top of the top half 46 of the keeper being preferably distant about one thirty second part of an inch from the inner surface of the top plate 43 of the keeps box. The top part 46 of the keepers sets or rests on the semi-axles as shewn in Figure 4 but is adapted for sliding contact with the inner surface of the top plate 43 of the keeps box when the bearings are sufficiently worn to permit the semi-axles to press the top part 46 of the keeper (adapted as shewn in Figure 11) in contact with the inner surface of the top plate 43 of the keeps box. The bottom part of the bottom half 47 of the keeper is in close contact with the inner surface of the bottom plate of the keeps-box but the top part of the bottom half 47 of the keeper instead of being in close contact with the semi-axles and collars is preferably distant therefrom about one thirty second part of an inch. This construction permits the said bearings constituting the first factor of safety to wear a little allowing the semi-axles to depart correspondingly a little from the axial line when the said keepers constituting the second factor of safety for preserving the axial line then seek to restrain each pair of semi-axles from further departure up or down a vertical plane from the axial line.

The third factor of safety consists of the application of the axial liners preferably aided by the restraint of the male member 54 within the female member 52 for retaining the axial line. The length of the female member 52 is preferably slightly more than twice the diameter of the semi-axle so that if the diameter of the semi-axle is four inches the length of the female member 52 will be about eight inches. The diameter of the bush 53 in the female member 52 preferably gradually increases from the outer extremity towards the inner extremity of the female member 52. The diameter of the bush 53 in the female member 52 being preferably adapted so that when the said bearings and keepers are sufficiently worn to allow the semi-axles to depart from the axial line till the sides of the treads of the wheels are in contact with and rub on the axial liners 63 the male member 54 is in contact with and has correspondingly a bearing surface within the bush 53 in the female member 52 and the male member 54 seeks with the aid of the female member 52 to assist the axial liners 63 in preventing the semi-axles from further departure up or down a vertical plane from the axial line and so

Applications for Amendment—*continued.*

tends to prevent the wheels of the car from departing too far from their normal angle to the permanent way.

Each axial liner 63 should be made of sufficient strength so that each may be capable of resisting when the bearings are sufficiently worn any tendency of its wheel to depart further from the axial line. It being intended by the use of a pair of axial liners 63 for each wheel to further assist in resisting the tendency of each wheel to depart from the axial line as aforesaid.

The first factor of safety for preserving the gauge of the wheels consists of the use of collars 51 on the semi-axles 21 which collars 51 are held by the top part 46 and further tendency to alter gauge of wheels is restrained by the bottom part 47 of the keepers. The male member 54 preferably extends to within about one sixteenth of an inch from the inner extremity of the bush 53 fast in the female member 52 so that upon the collars 51 wearing the said keepers sufficiently to allow a pair of semi-axles to approach one sixteenth of an inch nearer one another then the inner extremity or end of the male member 54 being in contact with the inner extremity or end of the bush 53 fast in the female member 52 seeks to restrain further lessening of the gauge of the wheels. The use of the male and female members and collars of semi-axles and keepers above mentioned constitute the second factor of safety for preserving the gauge of the wheels. The third factor of safety consists in the use of the axial liner for seeking to prevent the further lessening of the gauge of the wheels when the collars on the semi-axles have worn the part of the keepers with which they are in contact sufficiently to allow the inner extremity or end of the male member of a semi-axle to wear away the inner extremity of the bush fast in the female member of a corresponding semi-axle sufficiently to permit contact between the sides of the tread of a wheel and its axial liners. The above mentioned arrangement of an upper part 46 of the keeper resting on the semi-axles 21 and holding the collars 51 on the semi-axles 21 for preserving the gauge of wheels and also the use of the lower part 47 of the keeper assisting to prevent by means of the collars 51 on the semi-axles 21 the lessening of the gauge of the wheels seeks also to confine to the semi-axles the lateral thrusts imparted by the wheels to the semi-axles.

The rigid connector framework or frame for each pair of wheels consists of four longitudinal bearers 24 integral with four bearing blocks that is to say two outer bearing blocks 22 and two inner bearing blocks 23. The said longitudinal bearers 24 are integral with two cross bearers 25 and the bridge pieces 33 are bolted or otherwise rigidly joined to and complete the frame which rigid frame is illustrated in Figure 2 of the drawings. It is essential that the rigid frame as whole be in effect one rigid piece.

In the case of a bogie car Figure 1 the longitudinal bearers 24 for one pair of wheels are joined on to or are continuous with the longitudinal bearers of the frame relating to the nearest pair of wheels of the same bogie car. The axial liners 63 are affixed to the cross bearers 25 of the frame and the frame with said axial liners is thus adapted for the purpose of preventing each wheel of a pair of wheels from departing too far from its normal angle to the permanent way.

The construction and arrangement of the rigid frame and axial liners in themselves seek to prevent each pair of semi-axles from departing too far up or down a vertical plane from the axial line and so seek to retain each pair of wheels at their normal angle to the permanent way or nearly so."

35. Page 14, to end, *delete* the whole of the claiming clauses and *insert* the following claims in lieu thereof.

"First.—In Railway Cars the combination with a divided axle having two bearings on each part thereof of a rigid connector or frame, one part of said divided axle telescoping the other thereof for the purposes set forth substantially as herein described and explained.

Second.—In Railway Cars the combination with a divided axle having two bearings on each part thereof of a rigid frame the said bearings being so arranged within the bearing blocks of said frame as to permit movement to a small or slight extent in any direction on a horizontal plane of said bearings within said bearing blocks whilst at the same time the said frame is restrained from movement up or down a vertical plane in response to the action of the springs of the Railway Car for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

Third.—In Railway Cars the combination with a divided axle having two bearings on each part thereof of keepers in a keeps box one or more collars being affixed on each part of said divided axle for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

Fourth.—The combination with semi-axles such as 21 bearings having an upper part such

Applications for Amendment—*continued.*

as 31 and lower part such as 32 in bearing blocks such as 22 and 23 integral with longitudinal bearers such as 24 rigidly connected with cross bearers such as 25 bridge piece such as 33 and bolts such as 34 and recesses such as 35 and 36 as and for the purpose set forth substantially as herein described and explained and as illustrated in the drawings.

FIFTH.—The combination with semi-axles such as 21 bearings having an upper part such as 31 and lower part such as 32 in bearing blocks such as 22 and 23 integral with longitudinal bearers such as 24 rigidly connected with cross bearers such as 25 bridge piece such as 33 and bolts such as 34 and recesses such as 35 and 36 and a keeps box having semi-casings such as 43 bolted to the flanges 42 on bearing blocks 23 and bridge piece 33 and studs 44 and flanges 45 and keepers having an upper and lower part such as 46 and 47 for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

SIXTH.—The combination with semi-axles such as 21 bearings having an upper part such as 31 and lower part such as 32 in bearing blocks such as 22 and 23 integral with longitudinal bearers such as 24 rigidly connected with cross bearers such as 25 bridge piece such as 33 and bolts such as 34 and recesses such as 35 and 36 and a keeps box having semi-casings such as 43 bolted to the flanges 42 on bearing blocks 23 and bridge piece 33 and studs 44 and flanges 45 and keepers having an upper and lower part such as 46 and 47 and the arrangement of keeps box and bridge piece 33 permitting oil to travel from one to the other for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

SEVENTH.—In Railway Cars the combination with a divided axle having a wheel on each part thereof of an axial liner and a frame for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

EIGHTH.—In Railway Cars the combination with a divided axle having bearings on each part thereof of a rigid frame and axial liners affixed thereon for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

NINTH.—The combination and arrangement of the mechanical parts forming the rigid frame and axial liners for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

TENTH.—In Railway Cars the combination with a divided axle of a rigid frame consisting of four bearing blocks integral with four longitudinal bearers respectively two cross bearers and bridge pieces rigidly bolted to said longitudinal bearers respectively bearings being placed in said bearing blocks the characteristic of said frame being the fact that each pair of said longitudinal bearers is equidistant from its common wheel for the purposes set forth substantially as herein described and explained and as illustrated in the drawings.

ELEVENTH.—The combination and arrangement of mechanical parts forming the under gear of a Railway Car for the purposes set forth substantially as herein described and explained and as illustrated in Figures 1 to 13 of the drawings."

DRAWINGS.

36. Figure 2, *delete* figures "65" and *substitute* "67" therefor.

37. Figure 4, *omit* dotted lines where shown in black and *insert* dotted lines as shown in red.

38. Figure 5, make the space 55 taper as shown in red and *add* the figures "55".

39. Figure 13, *alter* orifice "65" as shown in red.

1908.

11,710. (*See* page 648.) "Improved process for the manufacture of sulphuric anhydride or sulphuric acid and of pure sulphurous acid from impure gases containing the same (sulphurous acid)."

GEORG CHRISTIAN STOLTZ (*applicant*) seeks leave to amend the Complete Specification in connexion with the application lodged on the above date, as below, alleging as the reasons: "That unless the amendments as set forth are included in the specification the use of some of the terms may likely be confused and that I have been advised that the specification may be made clearer by their inclusion therein."

The references are to the certified copy lodged with the Application for Amendment on 15th December, 1908.

PROPOSED AMENDMENTS.

1. Page 2, lines 26 and 27, *delete* the whole of these two lines and *substitute* the following words in lieu thereof, "in a technically useful manner".

2. Page 3, line 25, *insert* the words "a valuable" before the first word "form".

3. Page 4, line 10, *delete* the words "silicious slag" between the word "glowing" and "(iron" and *insert* the words "burned ore" in lieu thereof.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,728.	Duesbury.	11,062.	Abrams.	12,286.	Rigby.
10,735.	Bragg.	11,850.	Vivian.	12,306.	Wilson.
10,747.	Bates.	11,980.	Keck.	12,312.	Foden.
10,858.	Noller.	12,008.	Kyle.	12,316.	Burleigh.
10,963.	Crosse.	12,105.	Topliss.	12,430.	Frost.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 *words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet* (8 *inches x* 13 *inches).*

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

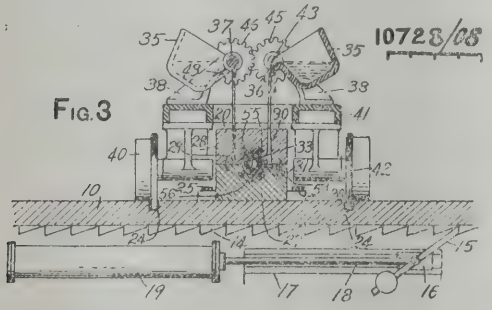
When the application is governed by Section 7, 29, 42, 85, 121, *of the Patents Act* 1903, *or by the Patent Act* 1906, *or by other circumstances, the particulars are stated.*

1908.

10,728. 28 Jan. J. W. Duesbury (E. A. Custer, U. S. America.)

Class 70.2.

Annular turntable with multiple metal moulds; trucks on rails carrying multiple pouring ladles simultaneously operated by hand-crank.

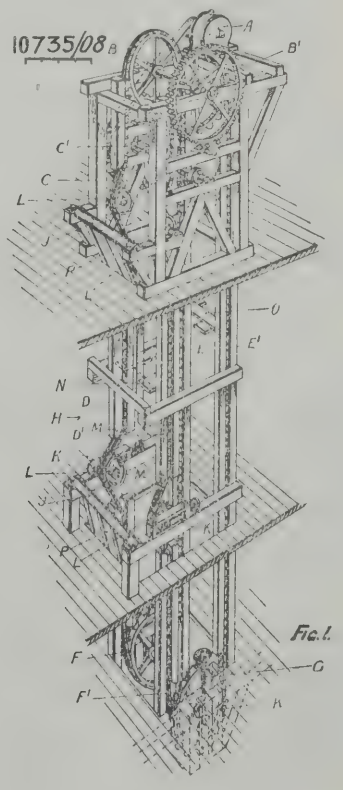


8 figures, 19 claims.

10,735. 29 Oct. Gibson, Battle & Co., Ltd. (J. W. Bragg, New South Wales.)

Class 59.2.

Warehouse elevators; continuously moving chain, lateral displacing guide rollers for deflecting the chain and tipping the platform.



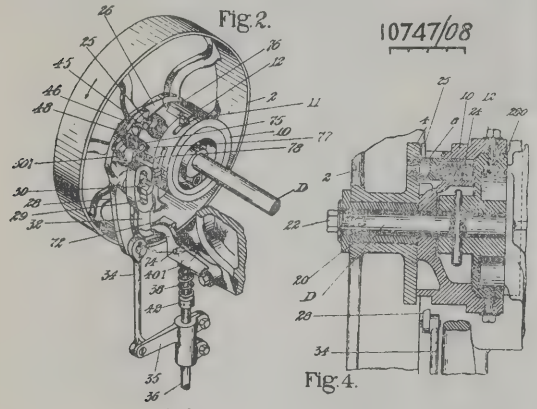
6 figures, 6 claims.

Complete Specifications Accepted—*continued.*

10,747. 31 Jan. United Shoe Machinery Co. (A. BATES, England).

Class 44.5.

Adjustable one revolution stop action in lasting machines, &c.; clutch bolt **8** with spring actuated releasing wedge **26** controlled by treadle rod **36**.



4 figures, 31 claims.

10,858. 18 Feb. C. H. NOLLER and P. E. O'REILLY, Queensland.

Class 31.5.

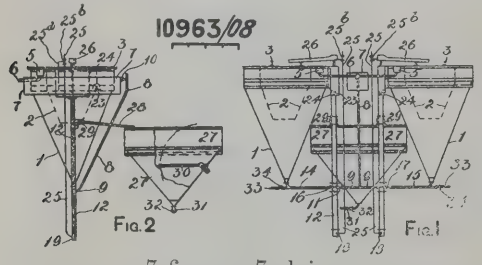
A fluid for destroying prickly pear and other plants, consisting of salt cake, arsenic, caustic soda, bluestone, coarse salt, and water.

No drawing, 1 claim.

10,963. 2 Mar. A. F. CROSSE, Transvaal.

Classes 12.1 ; 14.4 ; 14.7.

Continuous cyaniding in settling vats with circulation of upper liquor through zinc precipitation box, back with deposit lifted by pump; continuous conical settlers ; central guide cone; rim overflow for upper liquor ; pulp removed by pump at base.

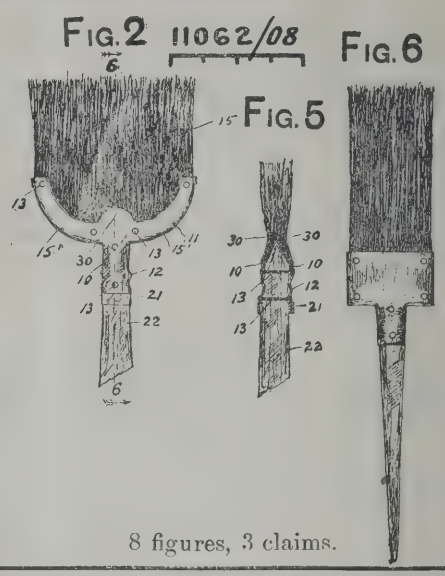


7 figures, 7 claims.

11,062 17 Mar. L. G. ABRAMS, New South Wales.

Class 25.8.

Crescent clamps in sheet metal for attaching paint brush head ; handle socket screwed or plain.



8 figures, 3 claims.

11,850. 29 June. A. W. H. VIVIAN, G. L. DAVIES, and L. GROTE, London, Eng.

Class 20.2.

Chlorinated liquid hydrocarbons mixed with coal dust or the like. Addition of lime and water optional.

No drawing, 4 claims.

11,980. 14 July. W. T. KECK, Victoria.

Class 53.1.

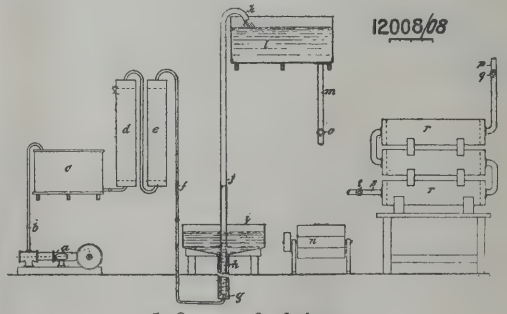
Football covers, coating the leather on both sides with rubber, cutting the pieces or segments out to the shape required, stretching them to utmost limit and sewing together.

No drawing, 2 claims.

12,008. 20 July. C. A. MACDONALD (T. D. KYLE, New South Wales).

Classes 36.3; 36.7.

In the manufacture of butter aerating the cream with cool pure compressed air and washing the butter with filtered water. Plant diagram shown.



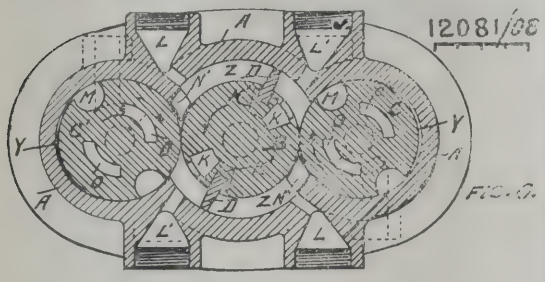
1 figure, 6 claims.

Complete Specifications Accepted—*continued.*

12,081. 27 July. J. Marks, New Zealand.

Classes 60.7; 67.7.

Rotary engine: annular reversible type two side drums for reversing. Details of plummer block screw adjusted brasses.

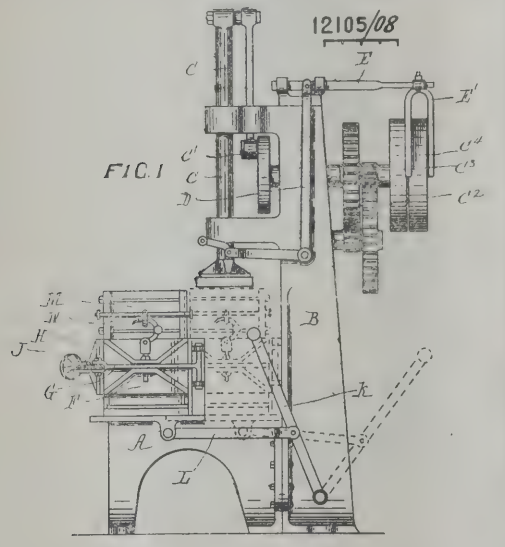


15 figures, 6 claims.

12,105. 29 July. H. J. Topliss, New Zealand.

Classes 36.8; 57.3; 61.5.

Butter box packing press; sliding box holder; crank operated single revolution plunger; single revolution stop; tappet and belt shifter.

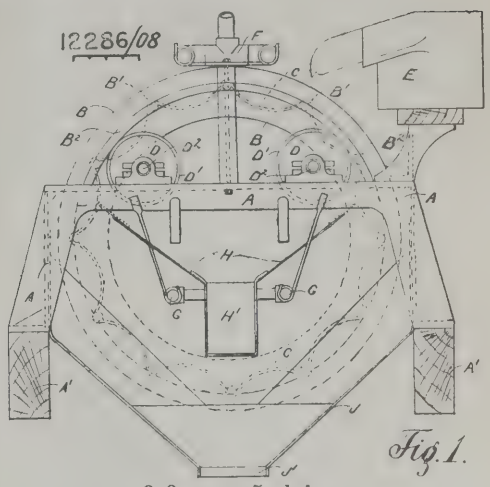


2 figures, 5 claims.

12,286. 19 August. E. J. Rigby, Victoria.

Class 11.3.

In 11,300/*08*, supporting the drum on upper internal rollers instead of lower external; rubber rims.

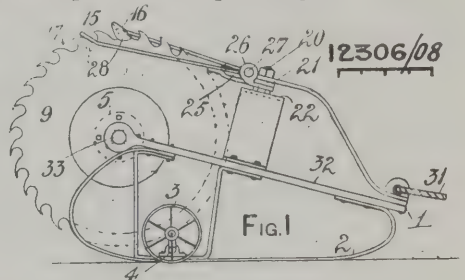


3 figures, 5 claims.

12,306. 24 Aug. J. Wilson, Victoria.

Classes 30.2; 59.1.

Stump hauler, perforated or toothed ratchet wheel attached to drum actuated by lever operated pawls of unequal length.

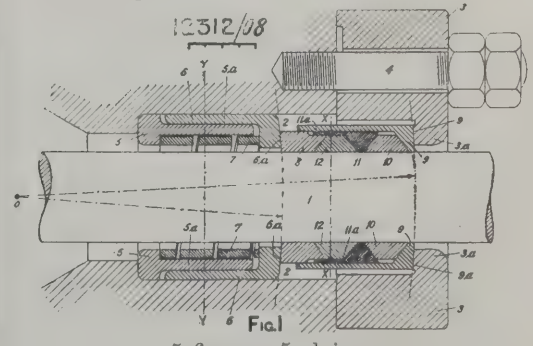


6 figures, 7 claims.

12,312. 24 Aug. The United Kingdom Self-adjusting Anti-friction Metallic Packing Syn., Ltd. (W. Foden, England).

Class 60.7.

Single end metallic packing: 2 designs of bearing rings.



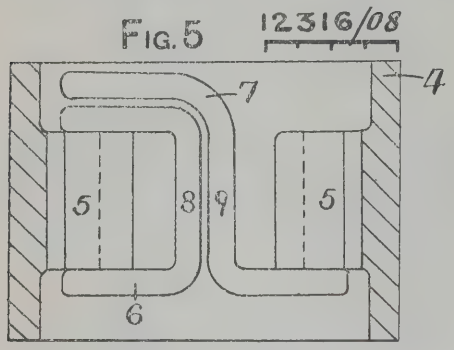
5 figures, 5 claims.

Complete Specifications Accepted—*continued.*

12,316. 24 Aug. THE ZONE DYNAMO AND MOTOR PATENTS CO., LTD. (J. W. BURLEIGH, England).

Class 02.1.

Arched and ogee former field coils, arranged for sparkless commutation.

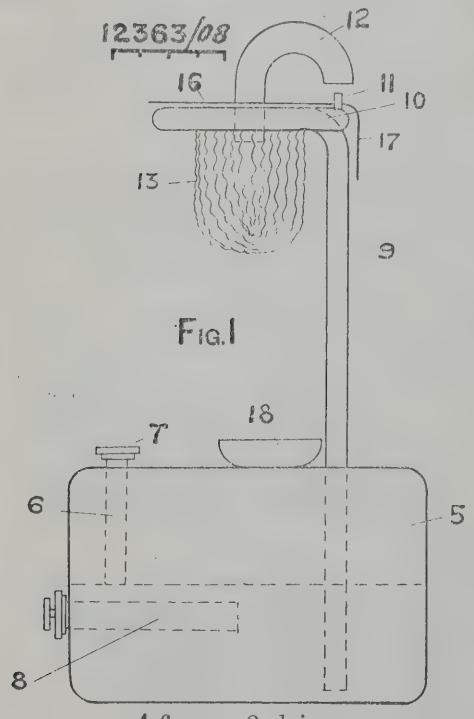


7 figures, 4 claims.

12,363. 2 Sept. J. C. PRESTON, New South Wales.

Class 23.5.

Primus bunsen table lamp with inverted mantle.

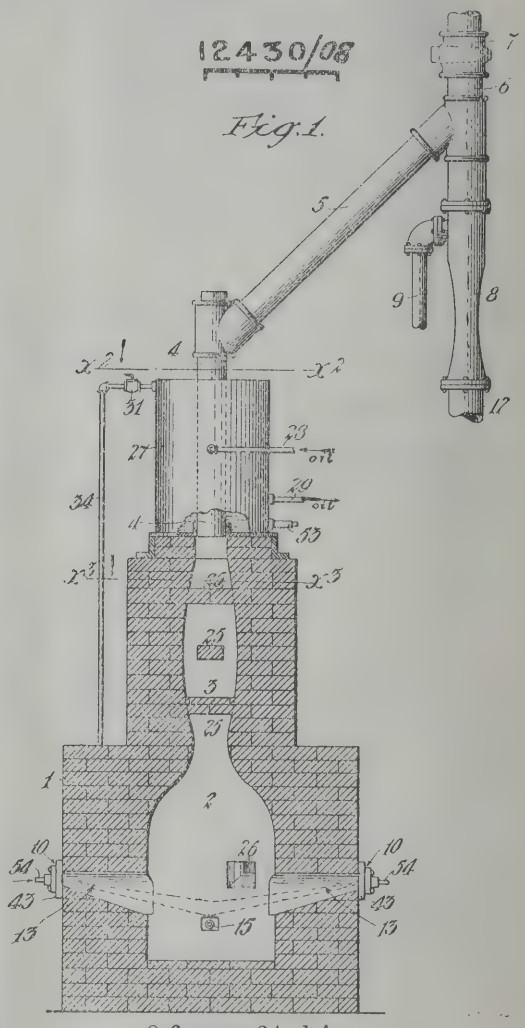


4 figures, 2 claims.

12,430. 8 Sept. W. H. FROST and J. J. NIX, U.S. America.

Classes 16.30; 21.3; 66.5.

Producing oil-gas for suction gas engine. Oil gas retort; vertical chamber with brick baffles; oppositely situated side burners for maintaining a heating zone.



8 figures, 24 claims.

Complete Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,403. Henry Chisholm OSBORN, 6407 Euclid-avenue, Cleveland, Cuyahoga, Ohio, U.S.A., manufacturer,

Application under Sec. 121.

[Date applied for 6th Jan., 1908, being date of application in U.S.A., Serial No. 409,434/*08*.]

"Printing machines."

13,421. Hippolyte DESSOLIERS, Ténès, Algiers, Algeria, Africa, engineer,

Application under Sec. 121.

[Date applied for 7th Jan., 1908, being date of application in France, No. 386,693/*08*.]

"Method of producing rain by means of revetments forming a solar extra heated area on the surface of water."

Printed Specifications Published.

Vols. 26 to 39, comprising Applications numbered from 5000 to 7799 are now complete with title pages, &c.

Vols. 40 to 41 comprise Applications from 7800 to 8199; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 5000, and many of higher numbers than 8200, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 668.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4837. A. R. ANGUS. *Railway car running gear.* Classes 96.4; 98.6.
4838. N. GUTHRIDGE (CARD). *Ore concentrators.* Class 11.4.
4839. N. GUTHRIDGE (CARD). *Ore concentrators.* Classes 11.4; 60.3; 60.9.
4840. N. GUTHRIDGE (CARD). *Ore concentrators.* Classes 10.1; 11.4.
4841. C. MAASKANT. *Preventing access to trucks.* Classes 04.3; 77.5; 96.1.
4842. C. A. PARSONS. *Steam turbines.* Class 67.1.
4843. H. P. BARRY. *Tubemill lining.* Class 10.3.
4845. MACHINE MADE CASKS LTD. (BURN). *Casks.* Class 57.2.
4847. H. A. TAYLOR. *Liquid purification.* Classes 27.1; 28.0.
4849. NEWMAN and LITCHFIELD. *Propelling motor vehicles.* Classes 62.5; 64.9; 68.3; 95.0; 95.9.
4851. I. SUTHERLAND. *Aquatic roundabout.* Classes 53.5; 91.6.
4853. T. MITCHELL. *Rifle sights.* Class 89.5.
4854. DIXON and LAWRENCE. *Extracting juices.* Classes 34.1; 76.5.
4858. H. P. SORENSEN. *Valve.* Classes 74.7; 85.2.

Printed Specifications Published—*continued.*

1907.

8106-7, 8112-4. Void applications.
8122. A. A. McDONELL. *Ankle protector.* Classes 53.1; 87.4.
8154-8, 8168, 8214, 8233-9, 8242-4, 8253-6, 8283-5, 8296-9, 8301, 8348-51, 8404, 8423, 8460-3, 8467. Void applications.
8611. J. E. LEA. *Recording flow of liquids, &c.* Classes 00.4; 04.0; 56.6
8644. MOORE and HESKETT. *Reducing iron ore.* Classes 15.2; 15.5; 16.37; 16.40; 17.3.
8718. A. BONNET. *Treating sulphide ores.* Classes 07.6; 14.1; 14.4; 14.7.
8724. J. DRAFFIN. *Feeding calves.* Class 37.1.
8761. E. SUTTON. *Windmill regulator.* Classes 61.3; 90.7.
8787. MANUFACTURERS MACHINE CO. (PHELAN). *Boot heeling machine.* Classes 44.5; 60.1; 62.8.
8788. MANUFACTURERS MACHINE CO. (HEYS). *Sole rounding machines.* Class 44.5.
8884. ALTMANN and WIGZELL. *Chaff-cutters.* Classes 10.7; 11.3.
8928. J. C. MOORE (BURSTALL). *Droppers.* Class 81.8.
9052. G. P. D. JOHNS. *Talking machine funnels.* Class 01.7.
9053. W. A. CALDECOTT. *Treating ore products.* Classes 14.4; 14.7; 28.2.
9076. F. METTERS. *Bath heaters.* Class 24.5.
9077. H. L. J. TORPY. *Bottling liquids.* Class 27.5.
9091. J. J. CHARLEY. *Harvesters.* Classes 32.3; 95.5.
9615. H. T. DURANT. *Solids from liquids.* Class 28.1.
9651. GRIME and STIRRAT. *Mail bag seal lock.* Classes 54.3; 77.7.
9668. T. H. GRIBBEN. *Swingletrees.* Class 93.7.
9743. W. H. BROOKS. *Gaseous fuel for power.* Classes 21.2; 66.8.
9894. WILSON and TIMMS. *Wood paving joint insertion.* Class 81.7.
9976. J. I. SOLOMON. *Examining objects.* Classes 06.1; 38.5; 52.1.
10,164. M. A. CAMERON. *Hose suspenders.* Class 43.9.
10,293. J. B. G. LE CLAIRE. *Clarification of sugar.* Class 33.1.
10,420. H. L. FINNIS. *Docking iron.* Classes 23.3; 37.1.
10,438. A. H. GERSCH. *Swing or equaliser.* Class 93.7.
10,451. E. N. WATERS (ALBRECHT and OTHERS). *Typographic machines.* Class 50.5.
10,514. THE LUX FOUNDRY PTY. LTD. (GIBSON). *Stove and range door.* Class 24.2.
10,530. B. W. BENN. *Milking apparatus.* Classes 36.1; 65.4.
10,535. HOULDER BROTHERS & CO. LTD. and G. ANDERSON. *Storing chilled meat.* Class 29.7.

1908.

10,674. JONES and RINGSTAD (HENDERSON). *Advertising cabinet.* Class 54.1.
10,687. W. PALMER. *Ventilating sashes.* Class 81.5.
10,748. A. L. and G. A. REYNOLDS. *Wave motor.* Class 82.4.
10,756. E. WATERS, *jun.* (OATWAY). *Fire alarms.* Classes 00.7; 88.2; 99.7.
10,766. C. SEARLE. *Parlour game.* Class 53.8.
10,833. C. W. NANCE. *Extracting air, &c.* Classes 35.3; 69.1.
10,898. THE D. E. SYNDICATE LTD. (HOLDSWORTH). *Treating sulphide ores.* Classes 14.1; 15.2.
10,902. A. T. MADDEN (SANDELL). *Moving-picture machines.* Classes 53.4; 60.5.
10,911. C. ANGUS. *Rolling stock contact circuits.* Class 98.2.
10,915. BANCROFT COMPTON REALTY CO. (WILSON). *Wave motors.* Class 82.4.
10,925. F. BENNITT (DWIGHT and LLOYD). *Roasting ores.* Classes 15.1; 16.45; 16.8.
10,926. A. ROBSHAW. *Wave engine.* Class 82.4.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*31st December, 1908.*			
9650	31 Aug.	C. H. Bissaker ...	N.S.W.	Generating acetylene gas ...	543
		4th January, 1909.			
9657	2 Sept.	H. V. Hampton ...	Vic.	Feeding circular saws ...	374
9675	4 Sept.	J. M. Patterson ...	U.S.A.	Wrapping machine ...	544
9941	7 Oct.	J. G. Newman & S. J. Head	N.S.W.	Power transmission gearing	458
9959	8 Oct.	W. Gale & L. Gunther ...	Vic.	Chaff-cutting machines ...	510
	1908.				
11,183	1 Apr.	P. S. Renn	Vic.	Clip for check books ...	220
11,768	18 June	M. Ruthenburg ...	U.S.A.	Ore separation	423
	1906.	*5th January, 1909.*			
9801	*24 Sept.	D. B. Morison... ...	Eng.	Steam condensing plant ...	580
	1907.				
9815	19 Sept.	J. Owen	N.S.W.	Fitting for retailing liquid...	594
10,403	6 Dec.	Buzacott & Co. Ltd. (Nunan)	N.S.W.	Reticulation pipes ...	510
	1908.				
11,271	15 Apr.	H. Bowditch	N.S.W.	Self-closing gates ...	479
11,336	23 Apr.	H. Boddington ...	Eng.	Windows, shutters, &c. ...	279
11,388	29 Apr.	S. Sutton	Vic.	Rock drilling &c. machines...	282
11,438	7 May	W. Henry	N.Z.	Window sashes	510
11,550	22 May	J. Y. Dixon	N.Z.	Gate latch	354
11,697	11 June	C. A. Parsons, G. G. Stoney & E. Bennett	Eng.	Search-light reflectors ...	407
11,707	12 June	Ludwig Hupfeld Aktiengesellschaft (Frömsdorf)	Germany	Mechanical musical instruments	407
11,752	18 June	E. R. Casebeer & H. R. Kingsley (White)	U.S.A.	Internal combustion engine	422
	1907.	*6th January, 1909.*			
9701	6 Sept.	W. G. Gaston	Vic.	Disc cultivators	442
9742	11 Sept.	Un. States Automatic Box Machinery Co. (Baxter)	U.S.A.	Paper boxes	561
	1908.				
11,512	18 May	H. J. Marks	Qld.	Building construction ...	526
11,638	2 June	O. J. Parker	Vic.	Wood, &c., distillation ...	372

* Date granted under Sec. 121.

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
9656	2 Sept.	J. W. Waring	Vic.	Spring washer and axle box	374
9698	6 Sept.	N. O. Taylor	W.A.	Rock drill	457
9700	6 Sept.	W. S. Clark (Cuthbert)...	Vic.	Fire kindlers	457

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignments Registered.

1902.

11,967. "Improvements in electrical fire alarm apparatus."

Assignment of 3/16 share or interest *by* James Percival ROBERTSON *to*

Robert ARNOLD. Dated 10th Nov., 1908. Registered 5th Jan., 1909.

12,201. "Improvements in electrical fire alarm apparatus."

Assignment of 3/16 share or interest *by* James Percival ROBERTSON *to*

Robert ARNOLD. Dated 10th Nov., 1908. Registered 5th Jan., 1909.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

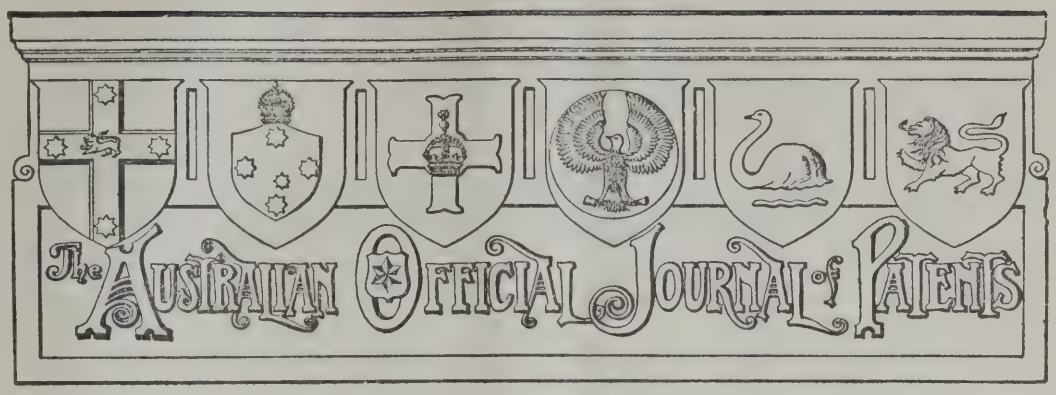
No.	Name.	Paid up to—
18,629	Phillips, E.	18th Oct., 1915

1902.

18,986	Peck, H.	20th Feb., 1916
19,162	Peck, H.	14th Apr., 1916

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MONTHLY INDEXES.

DECEMBER, 1908.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER

IN SPECIFICATIONS LODGED.

APPLICATIONS FOR 1907, Nos. 7678 TO 10,580.
APPLICATIONS FOR DECEMBER, 1908, Nos. 13,174 TO 13,421.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

DECEMBER, 1908.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Adair-Usher Process Ld. (Usher)	Treating sands	11,086
,, ,, ,, ,, (Usher)	Distributing pipes	P. 13,228
Adams, J. C.	Stringed instrument attachments	13,387
Adrain, A.	Washing dishes, &c.	P. 13,287
Alexander, R. J.	Knife cleaner	P. 13,190
Allen, R. A.	Dust, &c., collector	13,402
,, R. W.	Packing needle	P. 13,334
Anderson, J.	Cramping lining boards ...	13,249
,, W. M. A.	Poultry, &c., crate	13,183
Ashton, O.	Assembling machines	11,057
,, O.	Pulling-over machines ...	11,058
Atkins, E. S.	Curing meat, &c.	P. 13,298
Atthow, W. T.	Bottle stopper	P. 13,332
Babcock & Wilcox Ld. (Rosenthal & Carnt)	Steam generators	13,293
Bachrich, L.	Control of valves, &c	13,259
Baechler, C. A.	Casein	13,177
Baillie, D.	Rein holder	P. 13,255
Baker, F.	Concrete walls	11,002
Ball, A. A.	Sole-moulding, &c., machines ...	P. 13,379
Bancroft, W.	Composing mechanisms ...	13,272
Bang, H. S.	W.C. pad	P. 13,201
Bartlett, T. V.	Ratchet brace	P. 13,192
,, T. V.	Spile	P. 13,214
Basch, Rose & S.	Wheel tyres	13,407
Batchelder, F. R.	Cartridge belts, &c.	13,279
,, F. R.	Cartridge carriers	13,356
Bates, A.	Supporting, &c., work ...	P. 13,205
,, A.	Heel finishing	P. 13,208

Name.	Subject.	Number.
Baumgaertner, F.	Road vehicle locomotion recorder	13,243
Beaurain, H. J.	Wall facing tiles	13,233
Beck, J. L.	Card index, &c.	P. 13,185
Beedle, W.	Screw propellers	P. 13,373
Beissel, W.	Chair	P. 13,231
Bennett, E.	Picnic, &c., boxes	P. 13,306
,, G. A.	Pneumatic tyre	13,235
Bennetts, J.	Perambulator	12,625
Bertrand, F. E.	Boot soles	P. 13,207
Bird, W. H.	Pneumatic tyres	13,392
Bissing, P.	Musical instruments	13,401
Blackman, A. A.	Nickel, &c., furnace	P. 13,308
Blockley, J. J.	Chimney pot and ventilator ...	13,323
Bolitho, J. B.	Recorder for target practice ...	13,280
Bosch, J. A.	Waterproof, &c., building material	11,106
Bostock, E. & H.	Footwear	11,846
Boultbee, J. W.	Talking machines	P. 13,182
Bouton, G.	Pressure bearings	13,355
Bowen, H. C.	Lifting water	12,307
Bowern, H. G.	Electric heating	P. 13,229
Bradford, R.	Harness tugs	11,055
Bradley, S. A.	Punnet	P. 13,174
Brain, C. H.	Toy aeroplane	12,793
Branchflower, H. A.	Chair attachment	11,185
Bray, W. C.	Detachable book cover ...	13,074
Brennan, G.	Butter mould	P. 13,405
Brit. Fixator Ld. (De Laitte & Carter) ...	Preventing accidental movement of rotating parts	13,393
Bronner, A. F.	Differential gear	11,671
Brooks, T.	Gold extraction	11,203
Brosa, Blanche	Bucket, &c., stand	P. 13,246
Brown, F. H.	Regulating secondary combustion	13,371
,, L. M.	Boots and shoes	P. 13,408
Brundrit, J.	Steam generators	13,277
Bruning, B. D.	Wire contact	11,270
Burg, J	Gas burners	P. 13,224
Burnip, J. T.	Bookkeepers' hand rest ...	P. 13,260
Burt, A. E.	Shaping tops of pickets ...	P. 13,333
Byers, T.	Fastening	P. 13,377
Cadden, E.	Non-skid, &c., tyre cover ...	P. 13,350
Caldwell, T. F.	Valve	P. 13,254
,, W. H.	Sensitized films	13,369
Cane, C. S. E.	Sprinklers	P. 13,219
Card, W. L.	Sizing classifiers	11,125
Carlson, C. A.	Churning butter	13,361
Carnt, E. C.	Steam generators	13,293
Carter, H. M.	Preventing accidental movement of rotating parts	13,393
Casgrain, L. A.	Inserting fastenings	P. 13,378
Castles, W.	Canal excavator	P. 13,268
Cisewski, A. G.	Washing machine	10,971
Clappison, C. T.	Baby developer	P. 13,245
Clancy, J. C.	Ore treatment	13,398
Clark, W.	Railway traffic system	P. 13,284
Colyer, M.	Talking machines	P. 13,182

Name.	Subject.	Number
Cooling, G.	Propeller	P. 13,221
Corbett, J. W.	Tap for tins	10,890
Cour, J. L. la	Polyphase commutator machines	13,240
Coward, F. W.	Treating slag	P. 13,320
Cox Multi-Mailer Co. (Cox)	Addressing machines	13,395
,, ,, ,, ,, ...	Wrapping machines	13,396
,, ,, ,, ,, ...	Printing machines	13,397
Crittall, F. H.	Expanded metal	13,344
Cunningham, P.	Issuing tickets	P. 13,416
Cuthbert, J.	Glass-washer	P. 13,289
Dahlgren, G. S.	Cream separators	P. 13,223
Dallimore, A. G.	Wire strainer	P. 13,292
Dance, G.	Suspension of paper bags, &c.	P. 13,335
Dannhardt, F. H.	Ventilating cowl	P. 13,351
Dart-Kelly, F. W.	Operating roller blinds, &c. ...	P. 13,349
Davidson, J. H. M.	Phonographs	10,997
Davies, G. L.	Artificial fuel	11,850
,, J. B.	Clothes peg	P. 13,331
Davis, C.	Firing torpedoes	13,234
,, C. W. & G. W.	Typewriters	13,414
,, F. H.	Core drills	13,265
,, F. H.	Rock boring, &c.	13,266
Dawson, H. A.	Dough moulding machine ...	13,354
De Dion, A	Pressure bearings	13,355
De Laitte, L. B.	Preventing accidental movement of rotating parts	13,393
Dessoliers, H.	Rain production	13,421
Dion, A. De	Pressure bearings	13,355
Dorr, J. Van N.	Decanting apparatus	13,345
Dougall, J. L. V.	Beer, &c., pumps	P. 13,312
Douglas, J.	Horse's knee shield, &c. ...	13,406
Dowling, A. R.	Rail joint	13,286
Eaton, W. G.	Trimming machines	P. 13,409
Eclipse Filter P. Co. Ld. (*assignee*) ...	Filter	6031
Edison, T. A.	Phonographs	13,417
Edwards, R.	Irrigating, &c.	P. 13,256
,, -Smith, W.	French shutter clip	P. 13,300
Elec. Meat Curing Co. (Lincoln)	Curing meat	13,203
,, Renovator Mfg. Co. (Noe)	Renovators	13,209
Elmore, A. S. & F. E.	Ore separation	13,383
Engel, K.	Boots and shoes	P. 13,408
Eustace, C. W. T.	Washing dishes, &c.	P. 13,287
Evans, J. V.	Treating slag	P. 13,320
Federal Fuel Gas Prop. Ld. (*assignee*) ...	Burning fuel	11,287
Ferguson, L. B.	Dials	13,376
Finfrock, W. H.	Solder	13,212

Name.	Subject.	Number.
Fisher, J.	Pressing wool	12,920
,, W.	Collapsible tent	P. 13,237
Floessell, W. F.	Metal fastener	P. 13,275
,, W. F.	Portable wardrobe	P. 13,316
Forbes, A. P.	Typewriter attachment ...	P. 13,302
Free, R. H.	Cramping lining boards ...	13,249
Gammeter, H. C.	Ribbon feed mechanism ...	13,390
,, H. C.	Duplicating machines ...	13,404
Gayner, T. H. B. (*assignee*)	Sealing punctures	5160
-Gerber, J. Waechter-	Vacuum cleaning	13,186
Gold, F.	Staples	13,187
Goodwin, E.	Valve	P. 13,230
Grace, T. (*assignee*)	Sheep shearing machine ...	7224
Grant, J. H.	Poisoning rabbits	10,968
,, J. H.	Poisoning rabbits	10,969
Gray, W. R.	Wall-paper trimmer, &c. ...	11,083
Griffin, J. J.	Soldering can joints	13,271
Grimwade, W. R.	Transport vessel	P. 13,227
Grote, L.	Artificial fuel	11,850
Grundy, H.	Plough jumping gear ...	12,049
Gunn, Annie	Meat slicer	11,041
Guthridge, C. F.	Spring seats	P. 13,295
,, N. (Card)	Sizing classifiers	11,125
,, N. (King)	Ore screens	11,037
Guthrie, K. O.	Sewer moulds	13,179
Hampton, W. H.	Cramping lining boards ...	13,249
Hannam, W. H.	Venetian blinds	P. 13,248
Hansen, T. H.	Spring seats	P. 13,295
Hargreaves, W. A.	Producing iron, &c.	P. 13,278
Haslam, W.	Boot, &c., heel	P. 13,291
Hawkins, C. T.	Irrigating, &c.	P. 13,256
Heinrich, A.	Rock boring drill	13,359
Henderson, J. R.	Treating fish	13,257
Hensley, A. W.	Rein check for vehicles ...	P. 13,197
Higgins, M. J.	Folding chair	P. 13,310
Hills, J. L.	Ashpan for locomotives ...	11,845
,, J. L.	Relief valve	P. 13,364
,, J. L.	Spark arrester	P. 13,365
-Hinde, E. E. Tournay-	Overhead rail turnouts ...	P. 13,389
Hogarth, T. W.	Extension tables	P. 13,189
Hooke, H. H.	Meat slicer	11,041
Houlden, R.	Ratchet brace	P. 13,192
,, R.	Spile	P. 13,214
,, R.	Ratchet brace	P. 13,267
Howlett, R. H.	Tar coating, &c., streets, &c. ...	P. 13,319
Huelin, J. W.	Merry-go-round	P. 13,253
Hull, L. E.	Stringed instrument attachments	13,387
Hunt, H.	Cooling milk, &c.	P. 13,330
Hutchings, J.	Internal combustion motor turbines	13,385
,, J.	Combustible fluid under pressure	13,386
Hutchinson, J. H.	Transporting merchandise ...	P. 13,321
Hylard, J.	Magazine rifles	P. 13,196

Name.	Subject.	Number.
Ibbotson, Emily	Washing fluid	P. 13,384
Imlay, W. L.	Metal extraction	13,211
Imperial Writing Mach. Co. Ltd. (Davis & Davis)	Typewriters	13,414
Internat. Multigraph Co. (Gammeter) ...	Duplicating machines ...	13,404
Jackson, J. D.	Gas stoves	P. 13,303
James, C. M.	Merry-go-round	P. 13,253
Jamieson, W. McC.	Pneumatic tyred wheels ...	P. 13,294
Jene, J.	Fibre dressing, &c., machine ...	P. 13,250
Jenkins, W. J. G.	Aerated beverages	13,217
Jessep, H. C.	Life saver	P. 13,336
Jones, E. H.	Sprinklers	P. 13,219
,, F. R.	Extinguishing grass fires ...	P. 13,314
,, O.	Kettle, &c., lids	P. 13,210
Jordan, H.	Piano playing machines ...	13,329
J. S. White & Co. Ld. (Rosenthal & Carnt) ...	Steam generators	13,293
Kannuluik, J.	Hinge	P. 13,282
-Kelly, F. W. Dart-	Operating roller blinds, &c. ...	P. 13,349
Kennedy & Sons, R	Soot collector	13,220
,, M.	Spark arrester	P. 13,367
Kent, J. R.	Shoe, &c., uppers	11,928
Keyes, E. L.	Boot-machines	13,204
King, H. G.	Ore screens	11,037
,, J.	Carbureter	13,348
Kirkby, E. H.	Conveying alarms	11,477
Knight, W. (*assignee*)	Wire strainers	6056
Krayer, A.	Life saver	P. 13,336
Kron, F. R.	Tanning leather	10,988
Kruth, E. A.	Elastic holder	P. 13,184
Lack, S. W.	Cans, &c.	13,288
la Cour, J. L.	Polyphase commutator machines	13,240
Lambach, P. A.	Sealing bags, &c.	13,382
Landon, J. M.	Talking machines	11,006
Lang Can Co. (Lang)	Solder hemmed caps	13,388
Lautenschlager, W. F.	Cement machines	13,202
Lee, F.	Washing cream separator discs ...	P. 13,337
Lincoln, J. C.	Curing meat	13,203
Linley, F. M.	Hats	10,996
Linotype and Mach. Ld. (*assignee*) ...	Sheet inserting apparatus ...	9111
Lissington, J. A.	Chimney pot and ventilator ...	13,323
Litchfield, H.	Antiseptic telephone cup ...	P. 13,318
Lowe, A. H. L.	Bacon, &c., slicing machine ...	P. 13,328
Lund, J. P. H.	Rudder	13,309
Lundberg, C.	Chair	11,043
Lunt, G.	Aeration of dough	13,195
McCarron, J. T.	Rock drill valves	P. 13,313
McGee, J. A.	Beer, &c., pumps	P. 13,312
McKeen Motor Car Co. (*assignee*)	Trolley, &c., car frames ...	5139
,, ,, ,, ,, (*assignee*)	Trolley, &c., car frames ...	5140

Name.	Subject.	Number.
McKeen Motor Car Co. (*assignee*)	Power transmission	5779
,, ,, ,, ,, (*assignee*)	Railway, &c., cars	5780
,, ,, ,, ,, (*assignee*)	Heating, &c., motor vehicles ...	5781
,, ,, ,, ,, (*assignee*)	Power controlling mechanism ...	5782
,, ,, ,, ,, (*assignee*)	Power transmission	5783
McKinney, W. G.	Preventing clothes props slipping	P. 13,340
McNeil, C. & J.	Sugar-cane rolls	13,363
Malley, F.	Earth closets	12,555
Marks, J.	Turbine	12,081
Marriott & Son Prop. Ld., F. (Marriott) ...	Non-metallic carbonators ...	P. 13,358
Marsh, H. M. (Finfrock)	Solder	13,212
Martin, W. A.	Boot repairing tool	P. 13,226
Mason Bros. (F. & T.)	Kerosene tin handle	P. 13,352
Mawle, H. S.	Windmill	P. 13,366
Maxim Silent Firearms Co. (Maxim) ...	Lessening sound of guns ...	13,411
Mellor, J. F.	Stump-jump implements ...	12,209
Melva, Laura	Hat-pin	P. 13,305
Merry, H. E. D.	Rock drill feed screw ...	12,775
Metters, J. T.	Gas stoves	P. 13,303
,, Ld. (*assignee*)	Sprayers	5674
,, ,, (*assignee*)	Pumps	5734
Millane, Florence A.	Insect proof tent room ...	10,984
,, J.	Eye shields	P. 13,213
,, R. F.	Tyre rim	11,148
Miller, J.	Bacon, &c., slicing machine ...	P. 13,328
Mills Equipment Co. Ltd. (Batchelder) ...	Cartridge belts, &c.	13,279
,, ,, ,, ,, (Batchelder) ...	Cartridge carriers	13,356
Moloney, C.	Scraper, &c.	P. 13,342
Monotype Mach. (Col. Pat.) Synd. Ld. (Bancroft)	Composing mechanisms ...	13,272
Monteith, R.	Go-cart seat, &c.	11,466
Moody, S.	Cycle handle-bar, &c. ...	10,941
Moyle, J.	Metal polish	10,983
Mues, J.	Rifle sight	13,311
Muir, G. T., J. D., J. K., & T. McL. ...	Cramp for bedsteads ...	13,258
,, G. T., J. D., J. K., & T. McL. ...	Casting bedsteads	13,261
,, G. T., J. K., & T. McL. (*assignees*) ...	Folding bedsteads	7366
Munn, W. F.	Football boot	P. 13,297
Nattrass, Marie A. (*assignee*)	Churn	1559
Neighbour, A. G. L.	Inflating vehicle tyres ...	P. 13,242
New Jersey Patent Co.	Phonographs	13,417
Nichols, F. L.	Hydrocarbon engines ...	13,415
Nightingall, V. C. J.	Lighting, &c., street lamps ...	11,526
Noack, M. S.	Stump-jump ploughs, &c. ...	12,849
Noad, J.	Treating hydrocarbon oils ...	13,346
Noe, A. T.	Renovators	13,209
Obbinson, T. P.	Lamp glass	P. 13,176
O'Brien, W. T. S.	Thermit welding	P. 13,299
O'Connell, E.	Extracting cream samples ...	13,391
Oliver, H. T.	Phonographs	13,417
Osborn, H. C.	Printing machines	13,403

Name.	Subject.	Number.
Paddle, J. R.	Conveying cane to carrier	P. 13,368
Palmer, W.	Toy	P. 13,341
Parsons, C. A. (*Hon.*) (*assignee*)	Shaping turbine blades	10,561
,, C. A. (*Hon.*)	Turbines	13,357
Patent Hydrocarbon Ltd. (Noad)	Treating hydrocarbon oils	13,346
Peach, H.	Nut lock	P. 13,325
,, H.	Screw nail lock	P. 13,326
,, H.	Nail lock	P. 13,327
Pearson, G. A.	Brake couplings	13,400
Peirce, A. J.	Lawn sprinkler	P. 13,270
Petherick, H. W.	Perambulator	12,625
Pethybridge, J. T.	Automatic rammer	P. 13,191
Pilcher, N. G.	Operating fanlights, &c.	11,146
Pilkington, W. H.	Wool, &c., press	10,869
Pomeroy, J.	Spraying tumblers	P. 13,262
,, J.	Spraying tumblers	P. 13,263
,, J.	Clothes prop	P. 13,315
Porteous, A.	Stirrups	11,223
Powell, W. J.	Treating offal, refuse, &c.	13,324
Preble, E. N.	Pressure applying machines	P. 13,380
Prooyen, J. Van	Glass-washer	P. 13,289
Prosser, C. R.	Pulp filter	P. 13,273
Quinlivan, T.	Traction engines, &c.	P. 13,198
Quinn, F. M.	Money boxes	10,995
Rafferty, J. & M.	Smoke consumption	10,965
Ragg, J. W.	Acetylene generators	P. 13,301
Raleigh, T. E.	Scoop	P. 13,304
Rasmussen, A.	Trap	P. 13,307
Ravenscroft, L. B.	Electric heating	P. 13,229
Reichel, E. F. & L. T.	Fire alarm	13,194
Richardson, H.	Ratchet brace	P. 13,267
Rickard, J. E.	Carrying baskets, &c.	P. 13,339
Ripert, A.	Steam generators	13,241
Rosenthal, J. H.	Steam generators	13,293
Ryan, M.	Potato planter	P. 13,225
,, St. T.	Toy aeroplane	12,793
Salomo, H. A. H.	Differential gear	11,671
Samuels, J. A.	Boiling utensil	13,370
Sandy, W. J. L.	Electrolyte	13,276
Saunders, J. H.	Pump gearing	13,251
,, J. H.	Pump buckets	13,252
Scott, J. R.	Sewing machines	11,059
Shaw, C. H.	Toy aeroplane	12,793
,, E.	Drinking fountain	P. 13,372
Shekleton, J. H.	Roads	P. 13,374
Shipman, Mildred	Display cases, &c.	P. 13,216
Shorrock, W.	Chair	P. 13,231
Short, E. L.	Closet, &c., filter	P. 13,236
,, E. L.	Filter closet, &c.	P. 13,290

Name.	Subject.	Number.
Silver, W.	Sheep shearing machines ...	P. 13,247
Sinclair, A.	Boot, &c., heel	P. 13,291
Skinner, Ida B.	Butter mould	P. 13,405
Smith, F.	Hair waver, &c.	P. 13,420
,, H. E.	Carbureters	13,239
,, J. A.	Pneumatic tyre	13,235
,, J. C.	Lasting machines	P. 13,381
,, W. B.	Gas burners	P. 13,234
,, W. Edwards-	French shutters, &c.	P. 13,300
Stamp, J. W.	Treating offal, refuse, &c. ...	13,324
Star Seal Co. (Winter)	Bottle sealing machine ...	13,399
Steel, C. J. V.	Hypodermic syringe ...	P. 13,181
Stevens, H.	Milk cans, &c.	10,893
,, H.	Securing mats, &c.	13,317
Stieber, A. J.	Swing chair	13,296
Storer, J.	Non-luminous burners ...	P. 13,285
Stowe, F. E.	Bicycle, &c., seat	13,180
,, F. E.	Railway frogs	13,215
,, G. T.	Kettle, &c., lids	P. 13,210
Strong, J.	Rock boring drill	13,359
Stubbs, S. C.	Glass-washer	P. 13,289
Syvret, J.	Closets	12,107
Tause, H.	Tea pot	P. 13,322
Taylor, A. B.	Pig trough	P. 13,232
Terry, A. E.	Screw locking nuts	13,343
Thomas, A.	Concrete reinforcing bar ...	13,375
,, A. E.	Tea holder	12,033
,, H.	Meat slicers	13,178
Thornthwaite, O. R.	Glass-washer	P. 13,289
Tink, J. H.	Joining wires	12,304
Tomkins, J. G. & V.	Heel protector	P. 13,283
Torkington, A. W.	Vehicle tyres	13,418
Torode, W. C.	Hollow walls	13,238
Tournay-Hinde, E. E.	Overhead rail turnouts ...	P. 13,389
Traeger, T.	Rock boring drill	13,359
Trenwith, M.	Eyelet hole puncher	P. 13,394
Treuhand Vereinigung, A. G. (*assignee*) ...	Glass shaping machine ...	3863
Trewhella Bros. (B. & W.)	Hauling apparatus	11,051
Turnbull, E.	Feeding calves	P. 13,193
,, W.	Water closets	P. 13,188
Turri, G. G. (Cox)	Addressing machines	13,395
,, G. G. (Cox)	Wrapping machines	13,396
,, G. G. (Cox)	Printing machines	13,397
,, G. G. (Lang)	Solder hemmed caps	13,388
Typograph Ges. m.b.H. Setzmaschinen-fabrik (*assignee*)	Typograph machines	11,284
Tyree, W.	Vermin destroyer, &c. ...	11,161
,, W.	Composite blocks, &c. ...	11,162
,, W.	Destroying pests, &c. ...	P. 13,353
Unbehaun, G. E.	Hygienic teapot	P. 13,264
Underfeed Stoker Co. Ltd. (Wood) ...	Heating air, &c.	13,281
Un. Shoe Mach. Co. (Ashton)	Assembling machines ...	11,057
,, ,, ,, ,, (Ashton)	Pulling-over machines ...	11,058

Name.	Subject.	Number.
Un. Shoe Mach. Co. (Ball)	Sole-moulding, &c., machines ...	P. 13,379
,, ,, ,, ,, (Bates)	Supporting, &c., work ...	P. 13,205
,, ,, ,, ,, (Bates)	Heel finishing	P. 13,208
,, ,, ,, ,, (Bertrand)	Boot soles	P. 13,207
,, ,, ,, ,, (Casgrain)	Inserting fastenings	P. 13,378
,, ,, ,, ,, (Eaton)	Trimming machines	P. 13,409
,, ,, ,, ,, (Engel & Brown) ...	Boots and shoes	P. 13,408
,, ,, ,, ,, (Keyes)	Boot machines	13,204
,, ,, ,, ,, (Preble)	Pressure applying machines ...	P. 13,380
,, ,, ,, ,, (Scott)	Sewing machines	11,059
,, ,, ,, ,, (Wells)	Work supports	P. 13,206
,, ,, ,, ,, (Wheeler and others) ...	Lasting machines	P. 13,381
-Usher Process Ld., Adair- (Usher) ...	Treating sands	11,086
,, ,, ,, ,, (Usher) ...	Distributing pipes	P. 13,228
Van Prooyen, J.	Glass-washer	P. 13,289
Vivian, A. W. H.	Artificial fuel	11,950
Waechter-Gerber, J.	Vacuum cleaning	13,186
Wakefield, D.	Lamb marking knife ...	P. 13,274
Wallace, H. J.	Treating slimes, &c. ...	10,765
Walsh, T.	Harness	11,381
Warbrook, W.	Flushing cistern	P. 13,199
Waters, E. N. (Edison, Oliver & Weber) ...	Phonographs	13,417
,, R. J.	Fastening wires to standards ..	P. 13,413
Watson, G. D.	Fence standard	10,831
Webb, G.	Vehicle wheel rims	13,175
Weber, P.	Phonographs	13,417
Wells, C. S.	Work-supports	P. 13,206
Wheeler, W. O.	Lasting machines	P. 13,381
White, A.	Electric switch contacts ...	13,347
,, & Co. Ltd. J. S. (Rosenthal & Carnt)	Steam generators	13,293
Willcocks, C. E.	Eye lotion	13,200
Williams, W. R.	Telephone transmitters ...	P. 13,419
Wilshire, A.	Sulky, &c., seat	P. 13,222
Wilson, J.	Concrete roads, &c.	P. 13,244
Winder, C. B.	Shooting gallery targets ...	13,412
Winkley, E. E.	Lasting machines	P. 13,381
Winter, C.	Bottle sealing machine ...	13,399
Wolf, L.	Liquefied gas	13,410
Wolfram (Tungsten) Metal Filament Lamps Ld. (*assignee*)	Electric lamp filaments	6890
Womersley, F.	Shearing machines	P. 13,218
Wood, W. R.	Heating, air, &c.	13,281
Woodhead, C. H.	Display signs	13,360
Workman, H.	Carbureter	13,348
Wright, O.	Producing charcoal	P. 13,338
Wynberg, A.	Treating sugar cane	13,269
Yabsley, W. H.	Vehicle hood	13,362

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

DECEMBER, 1908.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.1	Locomotion recorder for vehicles. (56.6)	Baumgaertner	13,243
00.1	Dials	Ferguson	13,376
00.7	Operating street lamps. (04.3; 04.7; 22.8)	Nightingall	11,526
00.7	Fire alarm. (Section 121.) (99.7)	Reichel	13,194
00.7	Producing rain. (31.9)	Dessoliers	13,421
	Group 01.—Acoustics.		
01.2	Keyboard stringed instruments. (01.3)	Bissing	13,401
01.3	Stringed instruments	Hull	13,387
01.3	Keyboard stringed instruments. (01.2)	Bissing	13,401
01.6	Music rolls; piano players	Jordan	13,329
01.7	Talking machine diaphragm	Davidson	10,997
01.7	Talking machines	Landon	11,006
01.7	Reproducers and working arm for talking machines	Boultbee	P. 13,182
01.7	Phonographs and sound records	Edison	13,417
	Group 02.—Dynamo Electric Machinery.		
02.4	Regulating polyphase commutator machines. (04.7)	la Cour	13,240

Class.	Title.	Name.	Number.
	Group 04.—Electric Apparatus.		
04.3	Producing contact between two wires	Bruning	11,270
04.3	Operating street lamps. (00.7 ; 04.7 ; 22.8)	Nightingall	11,526
04.3	Contacts for electric switches, &c.	White	13,347
04.7	Operating street lamps. (00.7 ; 04.3 ; 22.8)	Nightingall	11,526
04.7	Regulating polyphase commutator machines. (02.4)	la Cour	13,240
	Group 05.—Telegraphy and Telephony.		
05.6	Antiseptic telephone cup. (86.8)	Litchfield P.	13,318
05.6	Shield for telephone transmitters	Williams P.	13,419
	Group 06.—Electric Lamps.		
06.7	Electric heater. (24.5)	Ravenscroft P.	13,229
	Group 07.—Electrolysis and Batteries.		
07.1	Electrolyte for batteries	Sandy	13,276
07.5	Curing meat. (35.3)	Lincoln	13,203
	Group 08.—Mineral Chemistry.		
08.6	Treating ores. (14.1)	Clancy	13,398
	Group 09.—Organic Chemistry.		
09.1	Casein. (Section 121.) (36.9)	Baechler	13,177
09.2	Treating sugar cane waste. (Section 121.) (33.1)	Wynberg	13,269
09.3	Volatile spirit from hydrocarbon oils. (15.6 ; 20.6 ; 28.6) ...	Noad	13,346
	Group 10.—Crushing and Grinding.		
10.7	Meat slicer. (35.1 ; 76.8)	Gunn	11,041
10.7	Meat slicers	Thomas	13,178
10.7	Bacon and meat slicer	Miller P.	13,328
	Group 11.—Mech. and Elec. Separation.		
11.3	Ore screens	King	11,037
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Sizing classifiers	Card	11,125
12.1	Decanting. (14.7)	Dorr	13,345
12.1	Separating solids from liquids	Elmore	13,383
	Group 14.—Leaching Metallurgy.		
14.1	Treating ores. (08.6)	Clancy	13,398
14.7	Treating sands	Usher	11,086
14.7	Metals from ores	Imlay	13,211
14.7	Fluid distributing pipes for vats	Usher P.	13,228
14.7	Decanting. (12.1)	Dorr	13,345
	Group 15.—Metallurgy in Furnaces.		
15.1	Extracting gold from clays	Brooks	11,203
15.2	Iron or steel direct from ores	Hargreaves P.	13,278
15.4	Sheet metal mould for "thermit" welding of rails. (71.1 ; 73.2) ...	O'Brien P.	13,299
15.6	Furnace for producing white lead, &c. (16.2 ; 79.2)	Blackman P.	13,308
15.6	Treating slag	Coward P.	13,320
15.6	Volatile spirit from hydrocarbon oils. (09.3 ; 20.6 ; 28.6) ...	Noad	13,346

Class.	Title.	Name.	Number.
	Group 16.—Furnaces.		
16.2	Furnace for producing white lead, &c. (15.6; 79.2)	Blackman	P. 13,308
16.2	Producing charcoal. (20.2)	Wright	P. 13,338
16.8	Emptying ashpan for locomotives	Hills	11,845
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Soot collector	Kennedy	13,220
17.1	Heating air. (17.3)	Wood	13,281
17.1	Double draft ventilator and chimney top	Blockley	13,323
17.1	Ventilating cowl	Dannhardt	P. 13,351
17.3	Heating air. (17.1)	Wood	13,281
17.7	Smoke consuming in furnaces	Rafferty	10,965
17.7	Regulating mechanism for secondary combustion. (63.4) ...	Brown	13,371
17.8	Spark arrester	Hills	P. 13,365
17.8	Spark arrester	Kennedy	P. 13,367
	Group 18.—Stones, Cement, &c.		
18.5	Composite blocks. (81.1)	Tyree	11,162
18.7	Tar coating and top dressing for roads, &c. (81.7)	Howlett	P. 13,319
	Group 19.—Glass and Ceramics.		
19.6	Fayence wall facing tiles. (46.5)	Beaurain	13,233
	Group 20.—Solid and Liquid Fuel.		
20.2	Artificial fuel	Vivian	11,850
20.2	Producing charcoal. (16.2)	Wright	P. 13,338
20.6	Volatile spirit from hydrocarbon oils. (09.3; 15.6; 28.6) ...	Noad	13,346
	Group 21.—Gas for Light and Heat.		
21.1	Liquified illuminating gas. (21.3)	Wolf	13,410
21.3	Liquified illuminating gas (21.1)	Wolf	13,410
21.4	Carbureters	Smith	13,239
21.4	Carbureting. (61.7)	King	13,348
21.85	Acetylene generator	Ragg	P. 13,301
	Group 22.—Candles and Lamps.		
22.4	Tap for kerosene tins, &c.	Corbett	10,890
22.5	Lamp glass	Obbinson	P. 13,176
22.5	Attachment for gas burners	Smith	P. 13,224
22.8	Operating street lamps. (00.7; 04.3; 04.7)	Nightingall	11,526
	Group 23.—Bunsen and Incand. Burners.		
23.5	Non-luminous burners	Storer	P. 13,285
	Group 24.—Domestic Heating; Cooking.		
24.2	Gas-cooking stoves	Jackson	P. 13,303
24.5	Lids of kettles, &c.	Stowe	P. 13,210
24.5	Electric heater. (06.7)	Ravenscroft	P. 13,229
24.5	Steaming or dish washing apparatus. (25.5)	Eustace	P. 13,287
24.5	Treating offal, &c. (35.4)	Stamp	13,324
24.5	Boiling or heating utensil	Samuels	13,370
24.7	Tea-holder	Thomas	12,033
24.7	Teapot	Unbehaun	P. 13,264
24.7	Teapot	Tause	P. 13,322

Class	Title.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes.		
25.1	Washing fluid	Ibbotson	P. 13,384
25.2	Washing machine	Cisewski	10,971
25.5	Washing tumblers, &c.	Pomeroy	P. 13,262
25.5	Washing tumblers, &c.	Pomeroy	P. 13,263
25.5	Steaming or dish washing apparatus. (24.5)	Eustace	P. 13,287
25.5	Glass washing machine	Prooyen	P. 13,289
25.5	Washing cream separator discs	Lee	P. 13,337
25.6	Clothes prop	Pomeroy	P. 13,315
25.6	Clothes peg	Davies	P. 13,331
25.6	Clothes prop foot, &c.	McKinney	P. 13,340
25.9	Vacuum cleaner. (69.1; 69.4)	W.-Gerber	13,186
25.9	Pneumatic renovators. (69.6)	Noe	13,209
25.9	Dust collector. (69.4)	Allen	13,402
	Group 27.—Beverages.		
27.3	Aerating beverages	Jenkins	13,217
27.3	Non-metallic carbonator	Marriott	P. 13,358
27.8	Spile	Houlden	P. 13,214
27.8	Beer pumps	McGee	P. 13,312
	Group 28.—Distillation and Filtration.		
28.1	Bacterial filter for urinals, &c. (86.3)	Short	P. 13,236
28.1	Pulp filter	Prosser	P. 13,273
28.2	Slime filter	Wallace	10,765
28.6	Volatile spirit from hydrocarbon oils. (09.3; 15.6; 20.6) ...	Noad	13,346
	Group 29.—Refrigeration.		
29.7	Insulated transport vessel	Grimwade	P. 13,227
29.7	Cooling milk, &c. (36.3)	Hunt	P. 13,330
	Group 30.—Ploughing.		
30.2	Rope hauling apparatus. (59.1)	Trewhella	11,051
30.9	Stump-jump gear for ploughs, &c.	Grundy	12,049
30.9	Stump-jump implements	Shearer	12,209
30.9	Stump-jump disc ploughs	Noack	12,849
	Group 31.—Cultivation.		
31.1	Potato planter for ploughs	Bank	P. 13,225
31.9	Liquid sprinklers. (74.9)	Cane	P. 13,219
31.9	Lawn sprinkler	Peirce	P. 13,270
31.9	Producing rain. (00.7)	Dessoliers	13,421
	Group 33.—Tropiculture.		
33.1	Treating sugar cane waste. (Section 121.) (09.2)	Wynberg	13,269
33.1	Figured rolls for sugar cane mills	McNeil	13,363
33.1	Conveying and feeding cane to cane carrier	Paddle	P. 13,368
	Group 34.—Cereals, Vegetables, Fruit.		
34.6	Aerating dough	Lunt	13,195
34.6	Dough, &c., moulding machine	Dawson	13,354

Class.	Title.	Name.	Number.
	Group 35.—Meat Food.		
35.1	Slicing meat. (10.7; 76.8)	Gunn	11,041
35.3	Curing meat. (07.5)	Lincoln	13,203
35.3	Curing meat, hides, or skins	Atkins	P. 13,298
35.4	Treating offal, &c. (24.5)	Stamp	13,324
35.7	Treating fresh fish	Henderson	13,257
	Group 36.—Dairy Food.		
36.2	Milk cans. (Section 85, *see* 8715/07). (77.5)	Stevens	10,893
36.2	Securing mats, &c., to doors. (46.4; 77.5)	Stevens	13,317
36.2	Extracting cream samples from bulk	O'Connell	13,391
36.3	Cooling milk, &c. (29.7)	Hunt	P. 13,330
36.6	Centrifugal cream separators	Dahlgren	P. 13,223
36.7	Churning butter	Carlson	13,361
36.8	Moulding butter into pats	Brennan	P. 13,405
36.9	Casein. (Section 121.) (09.1)	Baechler	13,177
	Group 37.—Pastoral.		
37.1	Hypodermic syringe. (87.2)	Steel	P. 13,181
37.1	Feeding calves from troughs	Turnbull	P. 13,193
37.1	Radial pig trough	Taylor	P. 13,232
37.1	Lamb marking knife. (87.4)	Wakefield	P. 13,274
37.6	Adjusting sheep shears	Womersley	P. 13,218
37.6	Sheep shearing machines	Silver	P. 13,247
37.8	Extinguishing grass fires. (69.4)	Jones	P. 13,314
	Group 38.—Fowling; Fishing; Trapping.		
38.1	Collapsible crates for birds, &c. (58.4)	Anderson	13,183
38.1	Drinking fountain for poultry yards, &c.	Shaw	P. 13,372
38.6	Retention wire for trap or decoy	Rasmussen	P. 13,307
38.9	Destroying rabbits by fumes	Grant	10,968
38.9	Destroying rabbits by fumes	Grant	10,969
38.9	Destroying pests with acetylene gas and poisonous fumes	Tyree	P. 13,353
	Group 39.—Harness; Animal Power.		
39.5	Protecting eyes of animals from insects	Millane	P. 13,213
39.5	Dressing retainer and knee shield for horses	Douglas	13,406
39.6	Harness tugs	Bradford	11,055
39.8	Stirrup iron	Porteous	11,223
	Group 40.—Textile Raw Materials.		
40.1	Raising and dressing marine fibre	Jene	P. 13,250
	Group 41.—Weaving.		
41.2	Cartridge carriers. (89.3)	Batchelder	13,356
41.9	Waterproof, &c., building material. (81.4; 88.4)	Bosch	11,106
	Group 42.—Sewing.		
42.1	Packing needle	Allen	P. 13,334
42.7	Sewing machines. (44.5)	Scott	11,059

Class	Title.	Name.	Number.
	Group 43.—Wearing Apparel.		
43.7	Hair waver and curler	Smith P.	13,420
43.8	Hats	Linley	10,996
43.8	Elastic holder	Kruth P.	13,184
43.8	Hat pin	Melva P.	13,305
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Footwear	Bostock	11,846
44.1	Shoe uppers	Kent	11,928
44.3	Heel protector	Tomkins P.	13,283
44.3	Resilient boot heel	Haslam P.	13,291
44.3	Football boot	Munn P.	13,297
44.5	Boot assembling machines	Ashton	11,057
44.5	Boot pulling-over machines	Ashton	11,058
44.5	Sewing machines. (42.7)	Scott	11,059
44.5	Cement applying machines. (79.4)	Lautenschlager	13,202
44.5	Boot and shoe machines	Keyes	13,204
44.5	Supporting and positioning work	Bates P.	13,205
44.5	Jacks or work supports of boot machines	Wells P.	13,206
44.5	Machine to operate on boot soles	Bertrand P.	13,207
44.5	Heel finishing machines	Bates P.	13,208
44.5	Knife or tool for boot repairing	Martin P.	13,226
44.5	Fastener inserting machines	Casgrain P.	13,378
44.5	Sole-moulding, &c., machines	Ball P.	13,379
44.5	Pressure applying machines	Preble P.	13,380
44.5	Lasting machines	Wheeler P.	13,381
44.5	Punching eyelet holes in boot uppers	Trenwith P.	13,394
44.5	Boot machines	Engel P.	13,408
44.5	Boot sole trimming machines	Eaton P.	13,409
	Group 45.—Furniture.		
45.1	Sitting or reclining chair	Lundberg	11,043
45.1	Sitting, reclining and rocking chair	Shorrock P.	13,231
45.1	Spring seats	Hansen P.	13,295
45.1	Folding swing chair. (53.5)	Stieber	13,296
45.1	Portable folding chair	Higgins P.	13,310
45.2	Rest for couches, &c.	Branchflower	11,185
45.2	Perambulator. (93.2)	Bennetts	12,625
45.3	Extension table for storing spare leaves	Hogarth P.	13,189
45.3	Stand for buckets, flower pots, &c.	Brosa P.	13,246
45.4	Portable wardrobe	Floessell P.	13,316
45.7	Metal slat venetian blinds	Hannam P.	13,248
	Group 46.—Upholstery.		
46.4	Securing mats, &c., to doors. (36.2; 77.5)	Stevens	13,317
46.5	Wall paper trimming, &c. (48.3)	Gray	11,083
46.5	Fayence wall facing tiles. (19.6)	Beaurain	13,233
46.6	Operating roller blinds, &c.	Dart-Kelly P.	13,349
	Group 47.—Leather and Plastics.		
47.2	Tanning leather	Kron	10,988

Class.	Title.	Name.	Number.
	Group 48.—Paper; Bookbinding.		
48.3	Wall paper trimming machine. (46.5)	Gray	11,083
48.3	Feeders for addressing machines. (54.3)	Cox	13,395
48.5	Punnet. (57.9)	Bradley	P. 13,174
48.5	Paper bags	Dance	P. 13,335
48.7	Folding and wrapping machines. (54.3)	Cox	13,396
48.8	Metal fastener	Floessell	P. 13,275
48.8	Cover for cartnote books, &c.	Bray	13,074
	Group 49.—Clerical; Scholastic; Artistic.		
49.1	Bookkeepers' hand rest	Burnip	P. 13,260
	Group 50.—Typographic Printing.		
50.3	Multiplex composing machines. (50.5)	Bancroft	13,272
50.4	Typewriter attachment; two copies from ribbon, without carbon paper	Forbes	P. 13,302
50.4	Ribbon feed mechanism	Gammeter	13,390
50.4	Printing machines. (Section 121.) (50.7; 51.6)	Osborn	13,403
50.4	Duplicating machines. (51.6)	Gammeter	13,404
50.4	Typewriters	Davis	13,414
50.5	Multiplex composing machines. (50.3)	Bancroft	13,272
50.7	Printing machines. (Section 121.) (50.4; 51.6)	Osborn	13,403
50.8	Printing machines. (54.3)	Cox	13,397
	Group 51.—Lithography, &c.		
51.6	Printing machines. (Section 121.) (50.4; 50.7)	Osborn	13,403
51.6	Duplicating machines. (50.4)	Gammeter	13,404
	Group 52.—Photography.		
52.4	Producing sensitized photographic films. (Section 121) ...	Caldwell	13,369
	Group 53.—Amusements.		
53.2	Baby developer. (87.3)	Clappison	P. 13,245
53.5	Merry-go-round	James	P. 13,253
53.5	Folding swing chair. (45.1)	Stieber	13,296
53.9	Toy aeroplane	Ryan	12,792
53.9	Toy	Palmer	P. 13,341
	Group 54.—Commerce.		
54.1	Display of luminous signs	Woodhead	13,360
54.3	Fastening. (77.7)	Byers	P. 13,377
54.3	Sealing bags, &c. (77.7)	Lambach	13,382
54.3	Feeders for addressing machines. (48.3)	Cox	13,395
54.3	Folding and wrapping machines. (48.7)	Cox	13,396
54.3	Printing machines. (50.8)	Cox	13,397
54.3	Issuing tram, &c., tickets	Cunningham	P. 13,416
54.4	Card index and holder	Beck	P. 13,185
54.7	Shop cases, &c., for displaying goods	Shipman	P. 13,216
	Group 55.—Money.		
55.2	Money boxes	Quinn	10,995
	Group 56.—Counting, Measuring, Weighing.		
56.6	Locomotion recorder for road vehicles. (00.1)	Baumgaertner	13,243

Class.	Title.	Name.	Number.
	Group 57.—Packing, Compressing, Bottling.		
57.3	Wool, &c., press	Pilkington	10,869
57.3	Wool grip	Fisher	12,920
57.4	Rammer	Pethybridge	P. 13,191
57.5	Can making machine. (73.2)	Lack	13,288
57.5	Bottle stopper	Atthow	P. 13,332
57.5	Applying bottle seals	Winter	13,399
57.8	Picnic and luncheon boxes	Bennett	P. 13,306
57.8	Carrying baskets, bags, &c.	Rickard	P. 13,339
57.8	Bucket handle for kerosene tins, &c.	Mason	P. 13,352
57.9	Punnet. (48.5)	Bradley	P. 13,174
	Group 58.—Chains, Ropes, Wire.		
58.3	Joining ends of wires and straining	Tink	12,304
58.3	Wire strainer	Dallimore	P. 13,292
58.4	Collapsible crates for birds, &c. (38.1)	Anderson	13,183
	Group 59.—Conveying and Lifting.		
59.1	Rope hauling apparatus. (30.2)	Trewhella	11,051
59.1	Differential gear. (60.2)	Salomo	11,671
	Group 60.—Mechanism; Lubrication.		
60.2	Differential gear. (59.1)	Salomo	11,671
60.2	Pump gearing. (68.3; 90.7)	Saunders	13,251
60.2	Pressure bearings for bevel gears. (Section 121.) (95.9) ...	De Dion	13,355
60.9	Controlling valves, &c. (61.9; 66.7; 66.8)	Bachrich	13,259
	Group 61.—Governors.		
61.7	Isolating and compressed air valve	Goodwin	P. 13,230
61.7	Carbureting. (21.4)	King	13,348
61.9	Controlling valves, &c. (60.9; 66.7; 66.8)	Bachrich	13,259
61.9	Hydrocarbon engines. (66.2; 66.5; 66.7; 66.8)	Nichols	13,415
	Group 63.—Steam Power.		
63.2	Steam generators. (63.4)	Rosenthal	13,293
63.4	Steam generators. (63.2)	Rosenthal	13,293
63.4	Regulating mechanism for secondary combustion. (17.7)	Brown	13,371
63.6	Steam generators	Ripert	13,241
63.7	Relief valves	Hills	P. 13,364
63.8	Steam generators	Brundrit	13,277
	Group 65.—Reciprocating Motors.		
65.0	Utilizing air and water by a vacuum for power, &c. (68.0) ...	Hawkins	P. 13,256
65.9	Rock drill valves	McCarron	P. 13,313
	Group 66.—Gas and Oil Engines.		
66.2	Internal combustion motor turbines, &c. (66.5; 66.7; 67.1) ...	Hutchings	13,385
66.2	Supplying combustible fluid under constant pressure. (66.5; 66.7)	Hutchings	13,386
66.2	Hydrocarbon engines. (61.9; 66.5; 66.7; 66.8)	Nichols	13,415
66.5	Internal combustion motor turbines, &c. (66.2; 66.7; 67.1) ...	Hutchings	13,385
66.5	Supplying combustible fluid under constant pressure. (66.2; 67.1)	Hutchings	13,386
66.5	Hydrocarbon engines. (61.9; 66.2; 66.7; 66.8)	Nichols	13,415
66.7	Controlling valves, &c. (60.9; 61.9; 66.8)	Bachrich	13,259
66.7	Internal combustion motor turbines, &c. (66.2; 66.5; 67.1) ...	Hutchings	13,385
66.7	Hydrocarbon engines. (61.9; 66.2; 66.5; 66.8)	Nichols	13,415
66.8	Controlling valves, &c. (60.9; 61.9; 66.7)	Bachrich	13,259
66.8	Hydrocarbon engines. (61.9; 66.2; 66.5; 66.7)	Nichols	13,415

Class.	Title.	Name.	Number.
	Group 67.—Turbines; Rotary Motors.		
67.1	Turbines. (92.2)	Parsons	13,357
67.1	Internal combustion motor turbines, &c. (66.2 ; 66.5 ; 66.7) ...	Hutchings	13,385
67.1	Supplying combustible liquid under constant pressure. (66.2 ; 66.5)	Hutchings	13,386
67.2	Screw propellers. (90.7)	Beedle	P. 13,373
67.7	Reversible high speed turbine	Marks	12,081
	Group 68.—Pumps for Liquids.		
68.0	Utilizing air and water by a vacuum for power, &c. (65.0) ...	Hawkins	P. 13,256
68.3	Pump gearing. (60.2 ; 90.7)	Saunders	13,251
68.3	Pump piston buckets	Saunders	13,252
68.3	Water lifting. (68.5)	Bowen	12,307
68.5	Water lifting. (68.3)	Bowen	12,307
68.9	Sprayer for paint, disinfecting, &c.	Tyree	11,161
	Group 69.—Blowers and Compressors.		
69.1	Vacuum cleaner. (25.9 ; 69.4)	W.-Gerber	13,186
69.4	Vacuum cleaner. (25.9 ; 69.1)	W.-Gerber	13,186
69.4	Extinguishing grass fires. (37.8)	Jones	P. 13,314
69.4	Dust collector. (25.9)	Allen	13,402
69.6	Pneumatic renovators. (25.9)	Noe	13,209
	Group 70.—Casting and Stamping.		
70.2	Chill cramp for bedstead castings. (72.1)	Muir	13,258
70.2	Fastening for hinged chills	Taylor	13,261
	Group 71.—Forging, Rolling, &c.		
71.1	Sheet metal mould for "thermit" welding or rails. (15.4 ; 73.2)	O'Brien	P. 13,299
	Group 72.—Turning; Milling; Fitting.		
72.1	Continuous motion ratchet brace	Bartlett	P. 13,192
72.1	Chill cramp for bedstead castings. (70.2)	Muir	13,258
72.1	Continuous motion ratchet brace	Richardson	P. 13,267
	Group 73.—Sheet Metal Work.		
73.2	Can making machine. (57.5)	Lack	13,288
73.2	Sheet metal mould for "thermit" rail welding. (15.4 ; 71.1) ...	O'Brien	P. 13,299
73.2	Expanded metal. (Section 121)	Crittall	13,344
73.6	Aluminium solder	Finfrock	13,212
73.6	Soldering can joints	Griffin	13,271
73.6	Solder hemmed caps	Lang	13,388
	Group 74.—Pipes and Fittings.		
74.5	Coupling brake pipes. (74.7 ; 96.6)	Pearson	13,400
74.7	Valve or cock	Caldwell	P. 13,254
74.7	Coupling brake pipes. (74.5 ; 96.6)	Pearson	13,400
74.9	Liquid sprinklers. (31.9)	Cane	P. 13,219
	Group 75.—Abrading and Polishing.		
75.1	Liquid metal polish	Moyle	10,983
75.2	Knife cleaner	Alexander	P. 13,190
	Group 76.—Cutlery; Plate.		
76.8	Meat slicer. (10.7 ; 35.1)	Gunn	11,041

Class.	Title.	Name.	Number.
	Group 77.—Locks, Bolts, Safes, &c.		
77.5	Safety milk cans. (Section 85, *see* 8715/07.) (36.2)	Stevens	10,893
77.5	Securing mats, &c., to doors. (36.2; 46.4)	Stevens	13,317
77.7	Fastening. (54.3)	Byers	P. 13,377
77.7	Sealing bags, &c. (54.3)	Lambach	13,382
	Group 78.—Structural Hardware.		
78.1	Staples	Gold	13,187
78.1	Nail lock	Peach	P. 13,327
78.3	Screw nail lock	Peach	P. 13,326
78.4	Nut lock	Peach	P. 13,325
78.4	Screw locking nuts	Terry	13,343
78.4	Preventing accidental movement of rotating parts	De Laitte	13,393
78.5	Double jointed hinge for closet seats	Kannaluik	P. 13,282
78.7	Operating hinged fan-lights, &c.	Pilcher	11,146
78.8	Clip for French shutters	E.-Smith	P. 13,300
	Group 79.—Paints, Adhesives, &c.		
79.2	Furnace for producing white lead, &c. (15.6; 16.2)	Blackman	P. 13,308
79.4	Cement applying machine. (44.5)	Lautenschlager	13,202
	Group 80.—Carpentry.		
80.3	Cramping lining boards, &c.	Hampton	13,249
80.5	Machine for shaping tops of pickets	Burt	P. 13,333
	Group 81.—Buildings, Streets, Fencing.		
81.1	Composite blocks, &c. (18.5)	Tyree	11,162
81.1	Sewer moulds. (85.1)	Guthrie	13,179
81.1	Concrete roads, floors, &c. (81.7)	Wilson	P. 13,244
81.2	Concrete walls	Baker	11,002
81.2	Hollow walls for buildings	Torode	13,238
81.2	Reinforcing bar for concrete	Thomas	13,375
81.3	Tent	Millane	10,984
81.3	Collapsible frame and tent	Fisher	P. 13,237
81.4	Waterproof, &c., building material. (41.9; 88.4)	Bosch	11,106
81.7	Concrete roads, floors, &c. (81.1)	Wilson	P. 13,244
81.7	Tar coating and top dressing for roads, &c. (18.7)	Howlett	P. 13,319
81.7	Macadam bond for roads, &c.	Shekleton	P. 13,374
81.8	Fence standard	Watson	10,831
81.8	Fastening wires to fence standards	Waters	P. 13,413
	Group 84.—Excavation and Dredging.		
84.3	Elevating canal excavator	Castles	P. 13,268
84.3	Scoop	Raleigh	P. 13,304
84.3	Scraper, grader and roller	Moloney	P. 13,342
	Group 85.—Mining.		
85.1	Sewer moulds. (81.1)	Guthrie	13,179
85.2	Shot feed for core drilling machines. (85.6)	Davis	13,265
85.2	Boring holes. (Section 7, *see* Vic. 18,905/02.) (85.6) ...	Davis	13,266
85.6	Shot feed for core drilling machines. (85.2)	Davis	13,265
85.6	Boring holes. (Section 7, *see* Vic. 18,905/02.) (85.2)	Davis	13,266
85.8	Feed screw of rock drills	Merry	12,775
85.8	Drill or cutter for rock boring	Strong	13,359

Class.	Title.	Name.	Number.
	Group 86.—Sanitation.		
86.2	Flushers for water closets	Turnbull	P. 13,188
86.2	Flushing cisterns	Warbrook	P. 13,199
86.3	Odour and verminless closet...	Syvret	12,107
86.3	Seat-body for earth closets	Malley	12,555
86.3	Bacterial filter for closets. (28.1)	Short	P. 13,236
86.3	Revolving filter closets and urinals	Short	P. 13,290
86.8	W.C. pad	Bang	P. 13,201
86.8	Antiseptic telephone cup. (05.6)	Litchfield	P. 13,318
	Group 87.—Medicine.		
87.1	Eye lotion	Willcocks	13,200
87.2	Hypodermic syringe. (37.1)	Steel	P. 13,181
87.3	Baby developer. (53.2)	Clappison	P. 13,245
87.4	Lamb marking knife. (37.1)	Wakefield	P. 13,274
	Group 88.—Salvage, Accidents.		
88.2	Alarm apparatus. (99.7)	Kirkby	11,477
88.4	Waterproof, &c., building material. (41.9; 81.4)	Bosch	11,106
88.7	Life saver. (92.8)	Jessep	P. 13,336
	Group 89.—War.		
89.3	Magazine rifles	Hylard	P. 13,196
89.3	Cartridge belts, bandoleers, &c.	Batchelder	13,279
89.3	Cartridge carriers. (41.2)	Batchelder	13,356
89.3	Lessening sound of gun discharge	Maxim	13,411
89.5	Target practice and aim recording without a projectile	Bolitho	13,280
89.5	Rifle sight and windgauge	Mues	13,311
89.5	Shooting gallery targets	Winder	13,412
89.6	Firing torpedoes. (91.6)	Davis	13,234
	Group 90.—Wind and Flying Machines.		
90.5	Propeller for water or air. (92.6)	Cooling	P. 13,221
90.7	Pump gearing. (60.2; 68.3)	Saunders	13,251
90.7	Horizontal windmill	Mawle	P. 13,366
90.7	Screw propellers. (67.2)	Beedle	P. 13,373
	Group 91.—Ship Building.		
91.6	Firing torpedoes. (89.6)	Davis	13,234
	Group 92.—Marine Propulsion.		
92.2	Turbines. (67.1)	Parsons	13,357
92.6	Rowlock	Millar	11,387
92.6	Propeller for water or air. (90.5)	Cooling	P. 13,221
92.6	Controlling rudder for screw propelled vessels	Lund	13,309
92.8	Life saver. (88.7)	Jessep	P. 13,336
	Group 93.—Road Vehicles.		
93.1	Transporting merchandise	Hutchinson	P. 13,321
93.2	Parcel carrier and seat for go-carts	Monteith	11,466
93.2	Perambulator. (45.2)	Bennetts	12,625
93.2	Adjustable seat for sulkies, &c.	Wilshire	P. 13,222
93.2	Frame for collapsible sulky, &c., hoods	Yabsley	13,362
93.3	Wheel and rein check for vehicles	Hensley	P. 13,197
93.4	Road vehicle wheel rims. (Section 121.) (97.81)	Webb	13,175
93.9	Rain holder	Baillie	P. 13,255

Class.	Title.	Name.	Number.
	Group 94.—Cycles.		
94.3	Handle bar stems and lamp brackets. (94.9)	Moody	10,941
94.3	Seat for bicycles	Stowe	13,180
94.9	Handle bar stems and lamp brackets. (94.3)	Moody	10,941
	Group 95.—Locomobiles.		
95.9	Traction engines, motor cars, &c.	Quinlivan P.	13,198
95.9	Pressure bearings for bevel gears. (Section 121.) (60.2) ...	De Dion	13,355
	Group 96.—Rolling Stock.		
96.6	Coupling brake pipes. (74.5; 74.7)	Pearson	13,400
	Group 97.—Wheels.		
97.6	Elastic tyres. (97.81)	Basch	13,407
97.81	Road vehicle wheel rims. (Section 121.) (93.4)	Webb	13,175
97.81	Protector for pneumatic tyres. (97.89)	Jamieson P.	13,294
97.81	Elastic tyres. (97.6)	Basch	13,407
97.81	Elastic tyres	Torkington	13,418
97.83	Detachable rim for pneumatic tyres	Millane	11,148
97.83	Pneumatic tyres. (Section 121.) (97.89)	Bennett	13,235
97.83	Pneumatic tyres. (Section 121)	Bird	13,392
97.85	Tyre inflator	Neighbour P.	13,242
97.89	Pneumatic tyres. (Section 121.) (97.83)	Bennett	13,235
97.89	Protector for pneumatic tyres. (97.81)	Jamieson P.	13,294
97.89	Non-skid and puncture proof tyre cover	Cadden P.	13,350
	Group 98.—Permanent Way.		
98.1	Rail joint	Dowling	13,286
98.2	Railway frogs	Stowe	13,215
98.2	Turnouts and crossings for overhead rail carriers. (98.4) ...	T.-Hinde P.	13,389
98.4	Turnouts and crossings for overhead rail carriers. (98.2) ..	T.-Hinde P.	13,389
	Group 99.—Signalling.		
99.4	Exchangers in tablet systems of railway traffic control	Clark	13,284
99.7	Alarm apparatus. (88.7)	Kirkby	11,477
99.7	Fire alarm. (Section 121.) (00.7)	Reichel	13,194

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On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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or			
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29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
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Vol. 10.] 1909. [No. 2.
(WITH SUPPLEMENT).

Tuesday, 19th January.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.

Applications Received, 13,454 to 13,508.

Commonwealth Proceedings.

States Proceedings.

Supplement—Vol. 9, Part B, in separate cover.

PRICE (including postage):—Single Copy, 6d. Annual Subscription, 25s. Obtainable at the Government Printing Office, Melbourne.

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J. Kemp, Government Printer, Melbourne.

C.348.

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The following publications are on sale at the Government Printing Office, Melbourne:

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Statutory Rules 1904, No. 70		1s. 6d.
Commonwealth of Australia Gazettes—Patent Office Special Numbers. Nos. 34, 49, 52, 56, 60, 69, 72 of 1904; No. 2 of 1905	each	4d.
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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto, Collins-street, Melbourne.

ADVERTISEMENTS.

NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent **No. 6838**, dated the 5th of September, 1906, for

"Improvements in receivers for electrical oscillations"

is prepared to satisfy any demands and all requirements of the public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

G. G. TURRI & CO.,

Patent Agents, Melbourne,

Invite attention to their client Mr. E. FROST'S improvements by which he saves eight hours in the time taken in manufacturing a saddle. He makes them with any kind of knee-pads.

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GOOD FOR RIDERS. GOOD FOR SADDLERS.

☞ Mr Frost has secured Letters Patent of the Commonwealth of Australia and New Zealand. He is prepared to issue licences to manufacturers, &c., as to Australian States, or part of any State, &c.

Offers for the purchase of the Patent Rights separately or together are now invited.

☞ In the Frost saddle the stuffing of the seat has been dispensed with; a thick layer of felt has been substituted under the leather of the seat. The knee-pads are felt-faced under the leather. The skirt is riveted down; there is no seam to give way as in the ordinary system in the joining of the skirt to the saddle seat.

The Patentee is prepared to supply saddles wholesale if required. Mr. Frost was by special appointment Saddler to His Excellency the Earl of Hopetoun.

This is an opportunity for doing profitable business; saddlers in all parts of the Commonwealth should consider it. A sample saddle will be sent to *bonâ fide* enquirers on reasonable terms.

All communications should be addressed to The Patent Negotiation Department of G. G. TURRI & CO., Registered Patent Attorney No. 1 of the Commonwealth of Australia. Head Offices, 364-366 Collins-street, Melbourne.

(Removing at end of January to 497-499 Collins-street, "The Rialto"—Ground Floor.)

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The Patentee is prepared to satisfy any reasonable public demand or requirement in respect to the invention below mentioned. We also offer for sale Letters Patent of Australia relating to the said invention, which covers "**Improvements in trucks for running on a single rail,**" No. 4646 of 20th November, 1905, issued to the agent of **RAYMOND SNYERS.**

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All enquiries and other communications to be addressed (by principals) to the Patentee's Agents:

G. G. TURRI & CO.,

Registered Patent Attorney No. 1,

Head Office, 366 Collins St., Melbourne

(removing about 25th January to 497–499 Collins St., The "Rialto.")

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The Patentee is prepared to satisfy any reasonable public demand or requirement in respect to the invention below mentioned. We also offer for sale Letters Patent of Australia relating to the said invention, which covers "**Improvements in and relating to the method of and means for generating and using hydrocarbon-vapours for heating and lighting purposes,**" No. 3746 of 31st July, 1905, issued to the agent of MADAME J. M. L. FLEMING (*née* Imbert) and assigned to **SOCIETE ANONYME DES VAPEURS COMBUSTIBLES.**

Licences on Royalty or otherwise as may be arranged will, if desired, be issued on reasonable terms.

All enquiries and other communications to be addressed (by principals) to the Patentee's Agents:

G. G. TURRI & CO.,

Registered Patent Attorney No. 1,

Head Office, 366 Collins St., Melbourne

(removing about 25th January to 497–499 Collins St., The "Rialto.")

NOTICE TO INVENTORS.

The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some inventors imagine they can save money by preparing their own Specifications, &c. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & HASSEL,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

Patents obtained in all countries throughout the World.

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Griffith & Hassel.

MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

CORNER OF KING & PITT STREETS, SYDNEY.

(20 years professional experience.)

The Australian Official Journal of Patents

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VOL. 10.] 19TH JANUARY, 1909. [No. 2.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Statistics and Indexes, 1908	21
Subscriptions for 1909	21
Commonwealth—	
Applications Received	22
Provisional Specifications Accepted ...	25
Complete Specifications after Provisional ...	26
Applications (Prov.) Lapsed	27
Applications Abandoned, &c.	27
Licences Registered	28
Complete Specifications Accepted ..	28
Illustrated Notes	28
Specifications (Comp.) open to Public Inspection before acceptance	35
Commonwealth—*continued.*	Page
Printed Specifications	36
Printed Specifications Published	40
Letters Patent Sealed	42
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed ...	43
Victoria—	
Renewal Fee Paid	44
Queensland—	
Renewal Fees Paid	44
South Australia—	
Renewal Fee Paid	44

NOTICES.

Vol. 9.—Statistics and Indexes, 1908.

With this number Part B, Name Index to Commonwealth Proceedings during 1908, is issued in a green paper cover.

Subscriptions for 1909.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 7th to 13th January, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 7th January.

13,454. *Prov.* Enoch JONES, Mt. Egerton, Vic., inventor,

"An adjustable spanner."

13,455. *Comp.* Killingworth William HEDGES, 10 Cranley-place, South Kensington, London, Eng., civil engineer,

"Improvements relating to gas heating stoves."

13,456. *Comp.* John Handsley DALES, 44 Francis-street, Leeds, Yorkshire, Eng., civil engineer,

"Improvements in method and apparatus for softening and purifying natural or polluted waters with primary reference to steam generating and manufacturing purposes."

13,457. *Prov.* Albert Arthur GILLIAM, 53 Mountfield-street, Brunswick, Vic., commercial traveller, and Thomas HOWIE, Whitehall-street, Footscray, Vic., engineer,

"An improvement in coke crushers."

13,458. *Prov.* Broome Lake WITTS, Queen's Buildings, corner of Rathdown and Victoria streets, Carlton, Vic., commercial traveller,

"Counter advertising hand rail."

13,459. *Prov.* Patrick Dominick COSGROVE, Cosgrove, near Shepparton, Vic., farmer,

"Improvements in apparatus for substituting broad or narrow gauge axles and wheels beneath railway vehicles."

13,460. *Prov.* Charles Henry WILLMORE, Starling-street, Leichhardt, N.S.W., saddle-tree maker,

"Improvements in harness saddles."

13,461. *Prov.* Henry James WALKER, Cessnock, N.S.W., carpenter,

"Improved fittings for the self-closing of hinged gates doors and the like."

13,462. *Prov.* James DAVIDSON, Aitchison-street, North Sydney, N.S.W., machinist,

"Improvements in the vibrating forks of Wolseley sheep-shearing machines."

13,463. *Prov.* PERDRIAU RUBBER COMPANY LIMITED, 270 George-street, Sydney, N.S.W., indiarubber goods merchant, *assignee of* Harold DANIELL, *act. inv.*, "Greenfield," Harbor-street, Mosman, N.S.W., merchant,

"Improved water-tight head covering specially useful in swimming."

13,464. *Comp.* William Johnston FRAME, of 48 Hamilton Drive, Pollokshields, Glasgow, Scot., engineer,

Application under Sec. 121.

[Date applied for 16th Jan., 1908, being date of application in Great Britain.]

"Improvements in hydraulic air and other gas suction apparatus."

13,465. *Comp.* Wilhelmus Adrianus VAN BERKEL, 54 Boezemsingel, Rotterdam, Holland, engineer,

"Improvements in meat slicing machines."

Applications received, 7th to 18th January—*continued.*

13,466. *Prov.* Joseph Dalziel Rudd, Powell-street, Williamstown, Kalgoorlie, W.A., engineer,

"An improved amalgamating and gold saving apparatus."

13,467. *Prov.* Francis Flintoff, Oldstead-Greensborough P.O., Vic., gentleman,

"Automatic window sash raiser."

13,468. *Prov.* Arthur James Guest, 70 Blues Point-road, North Sydney, N.S.W., photographer,

"A binder for sheet music or other papers."

Friday, 8th January.

13,469. *Prov.* Cornelius Murnane, 259 Mount Alexander-road, Ascot Vale, Vic., agricultural machinist,

"Improvements in the pump-operating gear of wind-mills."

13,470. *Prov.* Sydney Moody, Plenty-road, Preston, Vic., mechanical engineer,

"Improvements in straw plait mills."

13,471. *Prov.* Arthur William Deslandes, "Ulverstone," Davis-street, Elsternwick, Vic., wood machinist,

"Improved invalid table and collapsible cot."

13,472. *Prov.* George Martin Willox, salesman, c/o H. E. Hall, 81 Mackinnon-parade, Lower North Adelaide, S.A.,

"The Willox patent 'fixeze' sleeve-link."

13,473. *Prov.* John Gardiner Starr, 51 Denham-street, Hawthorn, Vic., civil engineer,

"A machine for depositing spreading and rolling layers of tar and sand on the surface of roads streets or any thoroughfare for the prevention of dust resulting from traffic thereon."

Saturday, 9th January.

13,474. *Prov.* William Goldsmith, 293 City-road, South Melbourne, Vic., engineer,

"An improved apparatus for the making of jams, sauces and the like."

13,475. *Comp.* William Rumsey Williams, Howley Mine, Brocks-creek, Northern Territory, S.A., at present of 21 Sydney-road, Parkville, Vic., gentleman,

"Improved hobbles for horses camels or other animals."

Monday, 11th January.

13,476. *Prov.* Richard Dennis Stacey, Laurance-street, Maldon, Vic., miner,

"A twin basin jacket for rock drilling machine."

13,477. *Prov.* Alexander Binnie, dairy farmer, and Eugene Harold Ewen Craigie McCarthy, carpenter, both of Towamba, N.S.W.,

"The Binnie McCarthy patent safety combination swingle bars & detachable horse gear."

13,478. *Prov.* George Edward Kinnear, 26 Gardiners-avenue, Marrickville, N.S.W., shire engineer,

"Garbage disposal and land reclamation."

13,479. *Comp.* John Arthur Brown, Crawford-street, Dunedin, N.Z., engineering manager,

"Improved cocks and taps."

13,480. *Prov.* Peter Boyd, 91A Princes-street, Dunedin, N.Z., inventor,

"Improved attachment for sowing single seeds."

13,481. *Prov.* Alfred Thornley Thomas, Weller-street, Goodwood Park, S.A., compositor,

"An improved method of and means for pasting newspaper wrappers and the like."

13,482. *Prov.* Ambrose Doxey, 4 Normanby-street, Windsor, Vic., mechanic,

"An improved device for lighting primus stoves and the like."

13,483. *Prov.* Mary Agnes Ryan, 76 Armstrong-street, Middle Park, Vic., housewife,

"Tray drainer."

Applications received, 7th to 13th January—*continued.*

13,484. *Prov.* William Dugald PAINTER and William BROADBENT, both of 69 Bridge-road, Richmond, Vic., carriers,

"An improved method of attaching rubber heel pads to horse shoes."

13,485. *Comp.* Franz SCHERRER, 37 Lietzenburgerstrasse, Wilmersdorf, near Berlin, Germany, engineer,

Application under Sec. 121.

"Improvements in fire escapes."

13,486. *Prov.* Arthur Henry LLOYD, 167 Scotchmer-street, North Fitzroy, Vic., boot-machine operator, and Albert MANDER, 53 Alexander-parade, North Fitzroy, Vic., boot-maker,

"Improvements in the manufacture of boots and shoes."

13,487. *Comp.* William John JONES, Aucuba Lodge, Wallington, Surrey, Eng., civil engineer, and John RANALD, 23 Amherst-avenue, West Ealing, London W., Eng., fire engineer,

Application under Sec. 121.

[Date applied for 27th Feb., 1908, being date of application in Great Britain, No. 4450/*08*.]

"Improvements in automatic fire extinguishing sprinklers."

13,488. *Prov.* Frederick REMFRY, trading as F. REMFRY, and also as S. THOMAS AND COMPANY, 41-43 Capel-street, North Melbourne, Vic., manufacturer of self-raising flour and grocers' sundries,

"Improvements connected with the manufacture or preparation of self-raising flour."

13,489. *Prov.* George PLOWMAN, care of James Plowman, Summer-street, Orange, N.S.W., farmer and grazier, produce dealer,

"Wire strainer."

Tuesday, 12th January.

13,490. *Prov.* James JOYCE, Pannoobamawn, Vic., farmer,

"Improvements in or connected with vehicle wheels."

13,491. *Comp.* Edward Brice KILLEN, 52 Queen Victoria-street, London, Eng., engineer,

"Improvements in or relating to wooden wheels."

13,492. *Comp.* Edward Brice KILLEN, 52 Queen Victoria-street, London, Eng., engineer,

"Improvements in or relating to rubber tyres and their attachment to wheels."

13,493. *Prov.* Archibald Laidlaw BAIRD, Eglinton, Glebe Point, N.S.W., amusement manager,

"An improved mode of displaying movable signs for advertising purposes."

13,494. *Prov.* Cyrus BAKER, Mount Morgan, Qld., carpenter,

"Improved means for handling slag pots."

13,495. *Prov.* John ANSCHAU, Tamworth, N.S.W., postmaster,

"An improved sanitary urinal."

13,496. *Prov.* Thomas Edward O'BRIEN, West Narrabri, N.S.W., blacksmith,

"An improved tyre for bicycles, motors and the like."

13,497. *Prov.* Gustav Hermann Julius RÜTHNING, Inkerman-street, Woolloongabba, Brisbane, Qld., works manager,

"An adjustable sash stop."

13,498. *Prov.* George HINE, Benambra Estate, Culcairn, N.S.W., station manager,

"An improved puncture stop for rubber and other tyres."

13,499. *Comp.* Andrew Guthrie SUTHERLAND, Bromford House, Erdington, Warwickshire, Eng., manufacturer,

"Improvements relating to gas and water meters."

13,500. *Comp.* John Taylor PEDDIE, Caxton House, Westminster, London, S.W., Eng., gentleman,

Application under Sec. 121.

[Date applied for 18th Mar., 1908, being date of application in Great Britain, No. 6074/*08*. Application also made in Great Britain, 28th Aug., 1908, No. 18,130/*08*; Canada, 18th May, 1908, Serial No. 139,273/*08*; U.S.A., 19th May, 1908, Serial No. 433,682/*08*.]

"Improvements in sights for small arms and ordnance."

Applications received, 7th to 13th January—*continued.*

13,501. *Prov.* James Potter, "Glen Iris," Jesmond, Lambton, Newcastle, N.S.W., coke burner,

"Improvements in and relating to gas retorts."

13,502. *Prov.* Reginald Champ, general manager of Lysaght Bros. & Co. Ltd., 39 Pitt-street, Sydney, N.S.W.,

"Improvements in machines for making wire netting."

13,503. *Prov.* Lewis Thomas, Waterfall, W.A., miner, and John Foristal, 30 Oroya-street, Boulder City, W.A., engine-driver,

"An improved drill and chuck for rock drills."

Wednesday, 13th January.

13,504. *Prov.* John Pomeroy, Tay-street, Invercargill, N.Z., temporarily of 163 Franklin-street, Melbourne, Vic., inventor,

"An improved buff for polishing tumblers and the like."

13,505. *Prov.* Edwin James Bruce, and James McClure, both of Lava-street, Warrnambool, Vic., engineers,

"An improved angle iron frame work for supporting galvanized iron or other metal water troughs."

13,506. *Comp.* Samuel Harold Tyers, Lorquon, Vic., school teacher,

"Improvements in strippers or harvesters to prevent the lagging of the crop side of the machine."

13,507. *Prov.* George William Green, Lion's Lair, Woy Woy, N.S.W., carpenter,

"Improvements in the manufacture of vegetable fibre."

13,508. *Prov.* Harry Ball, 519 Kent-street, Haymarket Post Office, Sydney, N.S.W., expert for sheep shearing machines,

"Machine shear comb dresser."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,081. Patterson, F., *Glass washer and drainer combined.*
13,222. Wilshire, A.
13,223. Dahlgren, G. S.
13,224. Smith, W. B., & Burg, J.
13,225. Ryan, M.
13,226. Martin, W. A.
13,227. Grimwade, W. R.
13,231. Shorrock, W., & Beissel, W.
13,237. Fisher, W.
13,242. Neighbour, A. G. L.
13,244. Wilson, J.
13,245. Clappison, Catherine T.
13,246. Brosa, Blanche
13,247. Silver, W.
13,248. Hannam, W. H.
13,250. Jene, J.
13,254. Caldwell, T. F.
13,260. Burnip, J. T.
13,262. Pomeroy, J.
13,263. Pomeroy, J.
13,264. Unbehaun, G. E.
13,267. Houlden, R. (Richardson)
13,273. Prosser, C. R.
13,274. Wakefield, D.
13,275. Floessell, W. F.
13,278. Hargreaves, W. A.
13,282. Kamuluik, J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

10,994. Henry Joseph SARTAIN, High-street, Mansfield, Vic., saddle and harness maker,

"An improved water bag." 7th Jan., 1909.

11,413. Henry John LANCASTER, Miller-street, North Sydney, N.S.W., glass merchant,

"Improvements in bridges. 7th Jan., 1909.

11,421. John HALLIDAY, Gidley, *viâ* Tamworth, N.S.W., farmer,

"An improved cooler for the cylinders of motor-engines and the like." 7th Jan. 1909.

11,816. George BRENNAN, *act. inv.*, Rainford-street, Sydney, N.S.W., engineer, and Ida Brodie SKINNER, *assignee*, "Norwood," Campbell-street, North Sydney, N.S.W., married woman,

"Housing pillar for nets used in lawn tennis and other games." 7th Jan., 1909.

12,510. Robert Hesleden BINNEY, 73 Barker-road, Subiaco, W.A., manufacturer of fertilizers,

"An improved fertilizer." 7th Jan., 1909.

12,572. William Alexander MOIR, Money Order Office, G.P.O., Sydney, N.S.W., clerk,

"Telephone number indicator." 12th Jan., 1909.

12,706. Francis Fredrick ELPHICK, *act. inv.*, Macksville, Nambucca River, N.S.W., dairyman, *assignee of* Samuel George ELPHICK, *act. inv.*, Erina-street, Gosford, N.S.W., carpenter,

"Improved kettle hanger." 7th Jan., 1909.

13,246. Blanche BROSA, 236 Liverpool-street, Darlinghurst, N.S.W., dressmaker,

"A movable stand for use in connection with buckets, flower pots, pedestals, spitoons and other articles of a like nature." 8th Jan., 1909.

13,315. John POMEROY, Tay-street, Invercargill, N.Z., temporarily of 74 Nicholson-street, Fitzroy, Vic., inventor,

"An improved clothes prop." 12th Jan., 1909.

11,262. John Edward BOURKE, Narrandera, N.S.W., farmer,

"Improvements in pollard and bait distributors." 13th Jan., 1909.

11,469. Henry HADIDA, 24 Rood-lane, London, Eng., merchant,

"An improved machine for affixing stamps, labels and the like." 13th Jan., 1909.

11,755. William George Jackson BROWN, "Wimbledon," 76 Douglas-street, Stanmore, Sydney, N.S.W., clerk,

"Hair tonic." 13th Jan., 1909.

12,763. Edward James HORWOOD, Lane-street, Broken Hill, N.S.W., mining engineer,

"Improvements in and relating to the separation of zinc blende and other metalliferous constituents from ore concentrates and slimes by flotation or granulation." 13th Jan., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

10,993. Gillies, A.
11,003. Ekins, W. E.
11,008. Parker, E.
11,009. Mallyon, J. R.
11,010. Wilde, A. T. R.
11,011. Palmer, W.
11,013. Williams, T.
11,014. McBean, W., Hickmer, G., & Parker, W. S.
11,016. Gilruth, J. G.
11,018. Williams, H. B.
11,020. Marryat, F. H.
11,021. Symons, G. H.
11,022. Johnson, C. A.
11,023. Casimir, Alice E.
11,024. Southcott, J. H.
11,025. Batt, A. J.
11,027. Wirth, J.
11,029. McDonald, H. E.
11,031. Duncan, W. H.
11,032. Sayers, F. I.
11,034. Clark, G.
11,035. Clark, G.
11,040. Maxwell, A. E.
11,042. Jones, F. R.

Applications Abandoned, Withdrawn, &c.

1907.

9746. *Comp.* (*Abandoned.*) Professor Dr. Alexander Classen, Aachen, Germany,

Application under Sec. 85, additional to 5409/06.

"Improvements in and relating to processes for producing carbonaceous metals electrolytically."

9747. *Comp.* (*Abandoned.*) Professor Dr. Alexander Classen, Aachen, Germany,

Application under Sec. 85, additional to 5409/06

"Process for electrolytic production of lustrous metallic coatings upon other metals."

9930. *Comp.* (*Lapsed.*) Charles Kahn, 108 Strand, London, W.C., Eng., aural instrument maker,

"An apparatus for the relief and gradual cure of deafness."

Licences Registered.

1904.

2207. "An improved cooling safe or container for comestibles and the like."

Licence granted *by* Samuel SHARDLOW *to*

John FISHER for the States of Victoria, South Australia, Tasmania and Western Australia, for the remainder of the term of Letters Patent. Dated 30th Nov., 1908. Registered 12th Jan., 1909.

1905.

3018. "An improved mode of building in concrete and apparatus therefor."

Licence granted *by* Henry Arthur GODDARD *to*

DONALDSON, COBURN & KNOX LIMITED, for any place or places within a radius of seventeen miles from the General Post Office of Broken Hill, in the State of New South Wales, for the remainder of the term of Letters Patent. Dated 16th Dec., 1908. Registered 12th Jan., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,743.	Rylatt.	10,996.	Linley.	11,631.	Davies.	12,412.	Friese-Green.
10,746.	Jerram.	10,997.	Davidson.	12,060.	Cotterell.	12,417.	Hunton.
10,900.	Bennion.	11,057.	Ashton.	12,297.	Gyler.	12,419.	Edman.
10,944.	Hancock.	11,058.	Ashton.	12,352.	Bice.	12,420.	Williams.
10,969.	Grant.	11,378.	Wiechmann.	12,397.	Frew.	12,487.	Wentworth.
		11,588.	Laver.	12,401.	Lock.	12,542.	Keenan.
						12,818.	de Irábien.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, 121, of the Patents Act 1903, or by the Patent Act 1906, or by other circumstances, the particulars are stated.

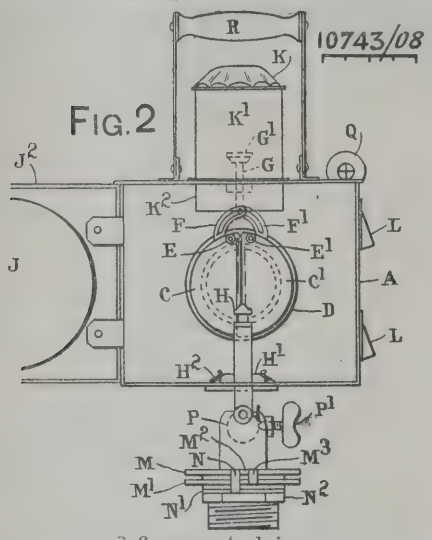
Complete Specifications Accepted—*continued.*

1908.

10,743. 31 Jan. F. V. Rylatt, Qld.

Class 99.6.

Acetylene flash lamp; push operated disc shutters; universal joint and turntable for lamp.

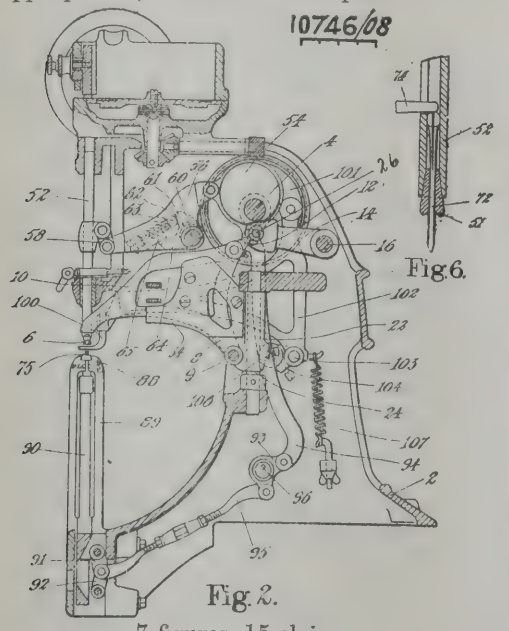


2 figures, 4 claims.

10,746. 31 Jan. United Shoe Machinery Co. (A. E. Jerram and J. Gouldbourn, Eng.)

Classes 44.5; 62.7.

Eyeletting machine; punch actuated by toggle **26** and eccentric **54** simultaneously with swinging feed motion; yielding setting dies and nipple pin **72**; one revolution stop action clutch.

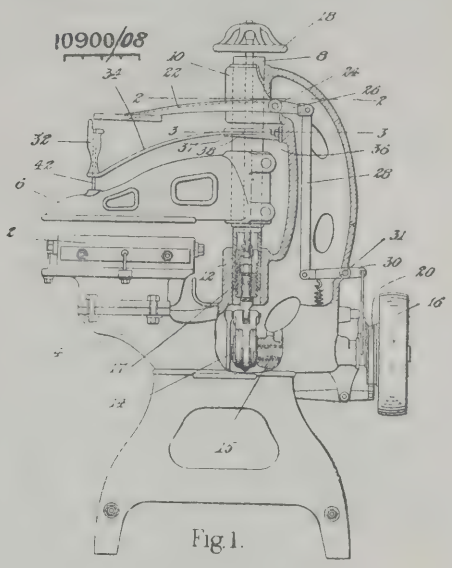


7 figures, 15 claims.

10,900. 24 Feb. United Shoe Machinery Co. (C. Bennion, England).

Classes 44.5; 47.3.

Clicking press with starting clutch **20** operated by quadrant shaped handle arranged to be always in proximity to the pressure arm handle **32**.

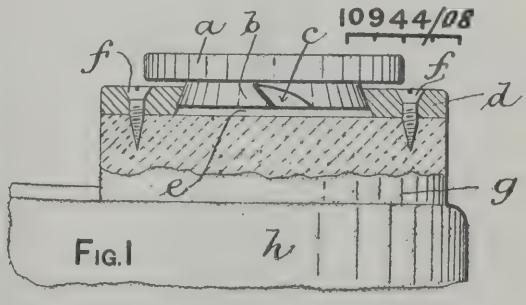


4 figures, 13 claims.

10,944. 28 Feb. J. C. Hancock, West Australia.

Class 44.3.

Rubber heel lift **a** attached to heel plate **d** by dovetail, having oblique notch **c** to facilitate entry.



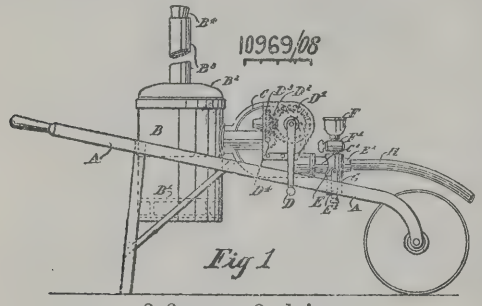
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

10,969. 3 Mar. J. H. GRANT, Victoria.

Class 38.9.

A mixture of potassium cyanide and sulphide of iron is placed in the generator **g**. Nitric acid is run in to **g** from **f**, and the resulting gases are forced through the pipe **h** by means of the hand-operated fan **c**. **B** is a furnace in which SO_2 or steam may be generated.

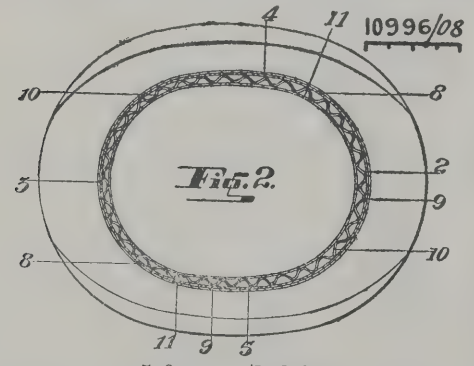


3 figures, 2 claims.

10,996. 7 Mar. F. M. LINLEY, Victoria.

Class 43.8.

Ventilating hats. Corrugated lining with or without inner lining. External ornamental band covering vent holes in the body of the hat.

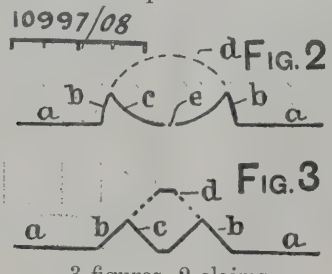


5 figures, 7 claims.

10,997. 9 Mar. J. H. M. DAVIDSON, South Australia.

Class 01.7.

Phonograph, &c., diaphragm: centre embossed and intussuscepted.

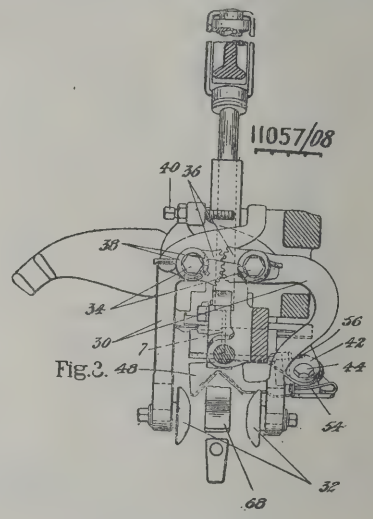


3 figures, 2 claims.

11,057. 16 Mar. UNITED SHOE MACHINERY CO. (O. ASHTON, Mass., U. S. America.)

Classes 44.5; 61.5.

Boot assembling; last positioned by yielding adjusting levers **30** and gauge **48**, having **v** notch slightly to one side of driver **7** to prevent nail cutting back seam; wiper mechanism, work support, and one revolution stop action.

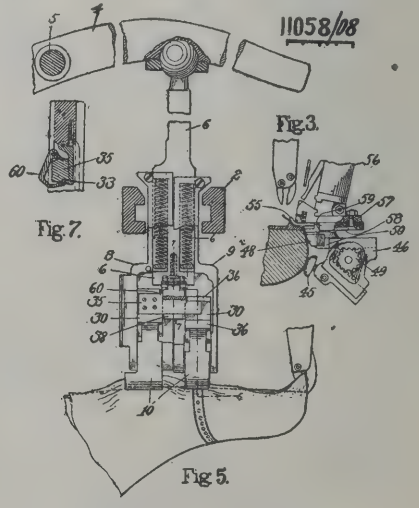


6 figures, 14 claims.

11,058. 16 Mar. UNITED SHOE MACHINERY CO. (O. ASHTON, Mass., U.S. America).

Class 44.5.

Pull-over machines; double grippers, each side having lost motion **30** to cause front pair to lag when elevated by cross-bar **35**; details of jaw teeth, grip release and presser.



9 figures, 17 claims.

Complete Specification Accepted—*continued.*

11,378. 29 Apr. F. G. Wiechmann, New York, U. S. America.

Classes 09.9 ; 47.5.

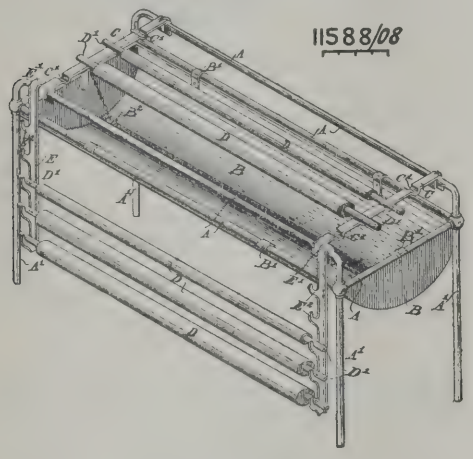
Process for manufacturing rubber substitute from vegetable albumen by treatment with a solution of animal casein in organic acid. Optional treatment with H_2O_2, formaldehyde, or vulcanizing substance.

No drawing. 7 claims.

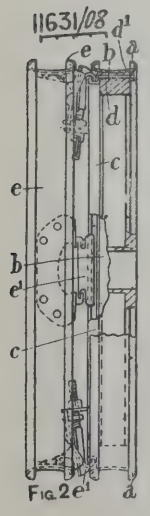
11,588. 26 May. A. F. Laver, Victoria.

Class 50.1.

Trough **b** has adjustable washing racks **c** on top, and drying racks **e** at side for rolls **d**.



1 figure, 3 claims.



11,631. 1 June. T. M. Davies and The Stepney Spare Motor Wheel Ltd., Eng. Sec. 121. Great Britain, 25,284. 14 Nov., 1907.

Class 97.83.

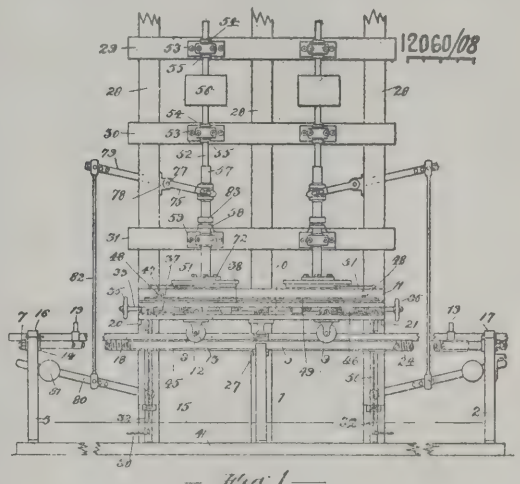
Extra flange on wheel for attaching spare tyre. Several modifications.

16 figures, 6 claims.

12,060. 24 July. F. Cotterell, Victoria.

Classes 60.8 ; 75.3.

Duplex bevelling machine: undergear of pivoted travelling carriage for raising and lowering edge of table **11** by hand wheel **35**, on spindles **36**, **37** and knuckle joint connections **45**, **46**. Overhead gear on spindle **52** and frame for raising, lowering and limiting stroke of bevelling wheel **72**, consisting of sliding sleeve **57**, ball bearing, lever fork **75** and adjusting collar **83**.

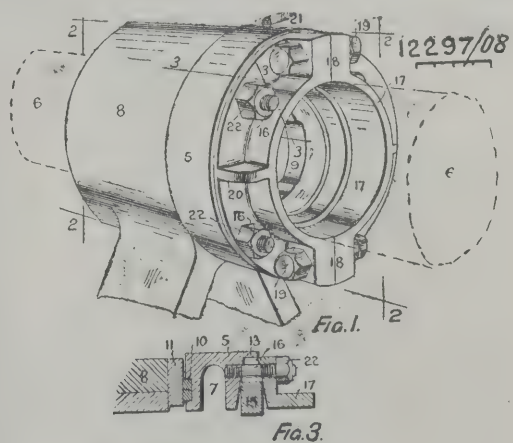


6 figures, 5 claims.

12,297. 21 Aug. C. Gyler, New South Wales.

Classes 60.7 ; 60.9 ; 92.2.

Annular grit-excluding oil-box **5** with packing rings **10** is thrust into contact with journal by rubber spring ring **15**, retained by split ring **17** clamped to shaft.



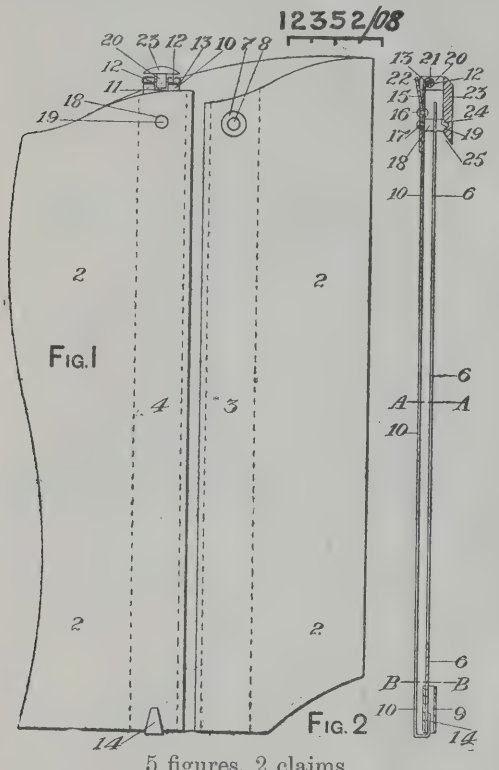
4 figures, 5 claims.

Complete Specification Accepted—*continued.*

12,352. 29 Aug. W. P. BICE and A. H. GUTHRIDGE, Victoria.

Class 44.7.

Legging fastener: hook and socket at bottom; pin, eyelet hole, and spring clasp at top.

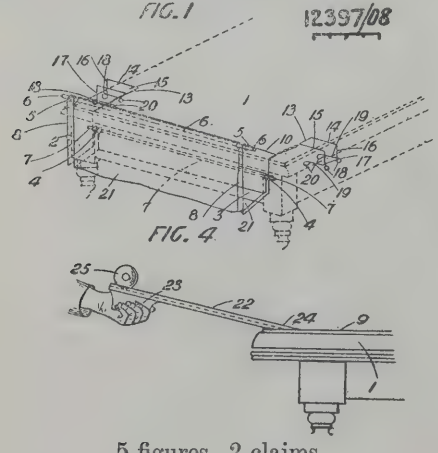


5 figures, 2 claims.

12,397. 4 Sept. R. FREW. New Zealand.

Class 53.7.

Table bowls: **22** is a delivery shoot with hollow way. The "ditch" is formed with clip brackets **2** and **3** covered with cloth or netting.

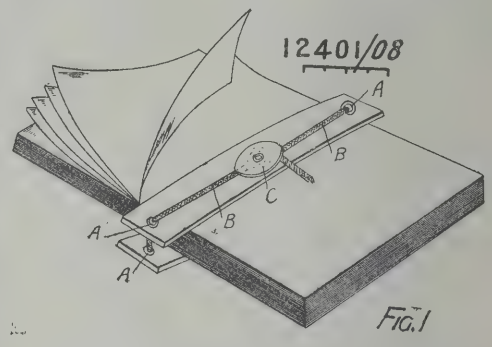


5 figures, 2 claims.

12,401. 5 Sept. F. LOCK. New South Wales.

Class 48.8.

Paper files: eyeletted strips **a**, with flexible binder **b**, having clip **c** at one end. Single or double binders.

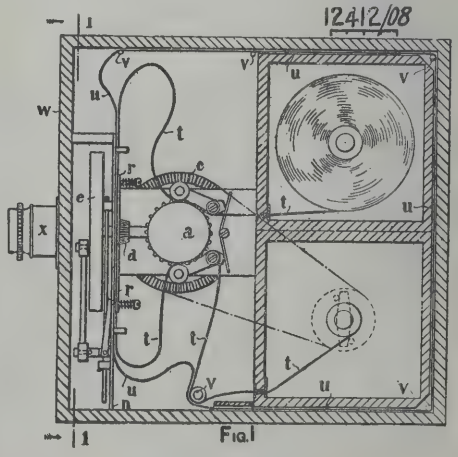


4 figures, 3 claims.

12,412. 7 Sept. FRIESE-GREENE PATENTS LTD. (W. FRIESE-GREENE, England.)

Classes 52.1; 53.4.

Bioscope camera: film with primary colour divisions travelling simultaneously with sensitized picture film before a lens to expose or project natural colour images.



3 figures, 5 claims.

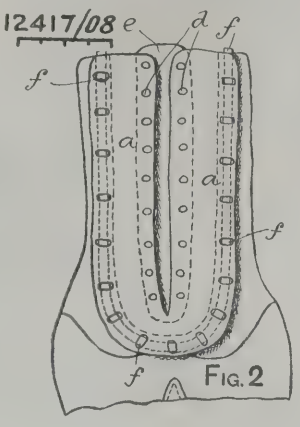
Complete Specifications Accepted- *continued.*

12,417. 7 Sept. G. W. Hunton, New Zealand.

Class 44.1.

Lace-up or button boots: fit is adjusted by changing instep piece **a**, having lace hooks **d**; modifications.

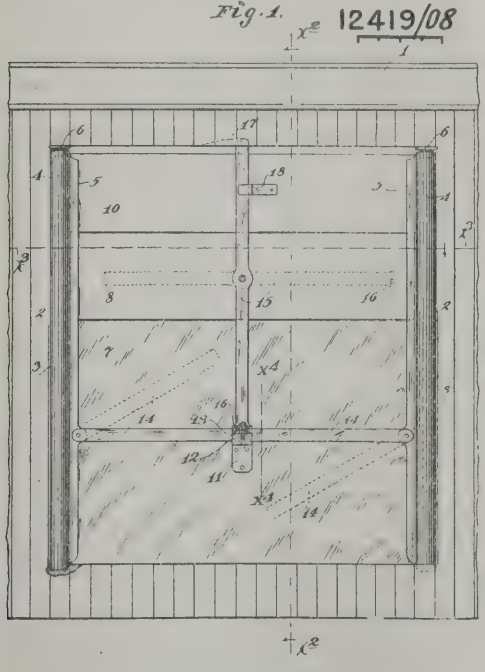
5 figures, 2 claims.



12,419. 7 Sept. J. Edman and T. K. Hundeby. (Edman, Minn., U.S.A.)

Classes 78.8; 96.1.

Doors for freight cars: The door sections **7, 8,** and **10** are secured at their ends by locking plates **4,** pivoted at top and bottom, and fastened by cross-bars **14** and **15,** engaging with cleats **11** and **18.**

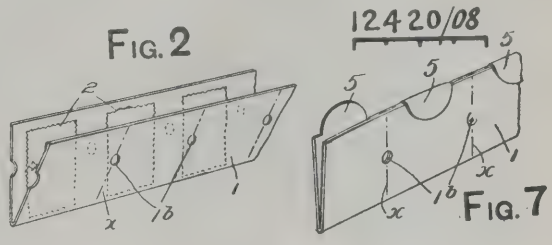


4 figures, 4 claims.

12,420. 7 Sept. J. R. Williams and W. C. Briggs, North Carolina, U. S. America.

Classes 54.2; 54.3; 55.7.

Strips for vending machine folded longitudinally and perforated at intervals **1b** with or without flaps **5** to form pockets for tickets, stamps **2**, &c. Modifications.

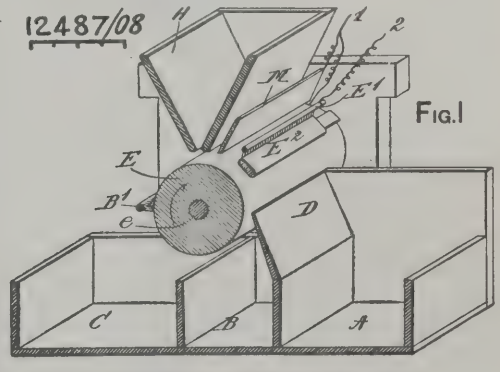


7 figures, 7 claims.

12,487. 11 Sept. Huff Electro-Static Separator Co. (H. A. Wentworth, Mass., U.S.A.).

Class 11.7.

Electro-static separation of metals; revolving and fixed electrodes producing constant electro-static field.



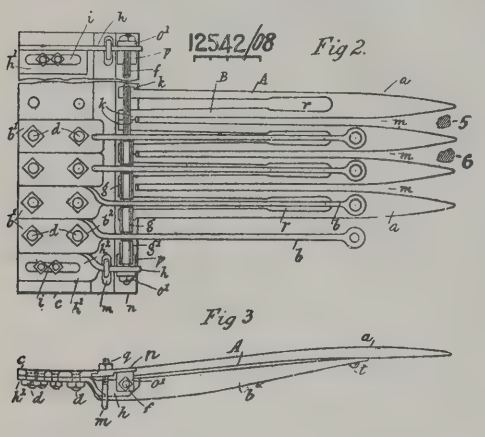
7 figures, 12 claims.

Complete Specifications Accepted—*continued.*

12,542. 18 Sept. J. M. KEENAN. Victoria.

Class 32.3.

Slotted spring comb for automatic choke clearing; comb supported on rollers and by spring ribs; bare bar **n**, laterally adjustable when worn. Slots covered by plate **l**.

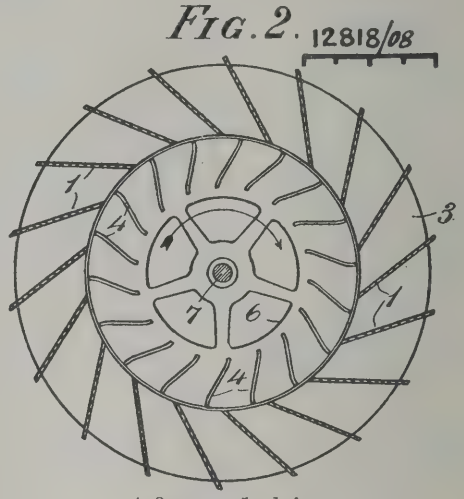


4 figures, 10 claims.

12,818. 20 Oct. J. DE IRÁBIEN, Argentine Republic.

Classes 67.5; 90.7.

Cross flow windmill; rotor with radial, or inclined vanes, surrounded by tangential guide blades.



4 figures, 1 claim.

Complete Specifications open to Public Inspection before Acceptance.

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,344. Francis Henry CRITTALL, Manor Works, Braintree, Essex, Eng., engineer,

Application under Sec. 121.

[Date applied for 16th Jan., 1908, being date of application in Great Britain, No. 1098/*08*. Application also made in Cape Colony 4th Mar., 1908; Natal 6th Mar., 1908; Transvaal 6th Mar., 1908; Orange River Colony 6th Mar., 1908; and Canada 25th Apr., and 11th Aug., 1908.]

"Improvements in the manufacture of expanded metal and in apparatus therefor."

13,355. Albert DE DION and Georges BOUTON, both of Paris, France, engineers,

Application under Sec. 121.

[Date applied for 18th Jan., 1908, being date of application in France, No. 386,356/*08*.]

"Improvements in or relating to pressure-bearings for bevel gears and the like."

13,464. William Johnston FRAME, 48 Hamilton Drive, Pollokshields, Glasgow, Scot., engineer,

Application under Sec. 121.

[Date applied for 16th Jan., 1908, being date of application in Great Britain.]

"Improvements in hydraulic air and other gas suction apparatus."

PRINTED SPECIFICATIONS.

STATEMENT TO 19th JANUARY, 1909.

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Vols. 26 to 39 comprising Applications numbered from 5000 to 7799, are now complete for binding with title pages, &c.

Vols. 40 to 45 comprise Applications from 7800 to 8999 ; between these numbers all the Accepted Specifications are printed or in a forward state.

A few Specifications numbered below 4800, and many of higher numbers than 9000 have also been issued, and are enumerated below ; for issues subsequent to this date reference must be made to the weekly lists in each *Journal*.

The name following the number is that of a declared actual inventor, or of an applicant. Further particulars may be found by reference to the *Journal* under notices of Applications Received.

1905.

VOLS. 12 TO 22.

2362. Koledas
2990. Spiral S. T. Cl. Co. Ld.
3228. Clemmensen
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VOL. 23.

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4466. Spiller
4539. Ljungström
4577. Dunnett

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4645. Morpurgo
4655. Sulman
4667. Sulman
4715. Karle
4716. Hanlon
4725. Woltereck
4726. Woltereck
4733. Bird
4741. Knight
4754. Johnson

1905-7.

VOLS. 25 to 45, **4800** to **8999**, see statement above.

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VOL. 46.

9000. Belcher
9002. Webber
9004. Crockford
9006. Conery
9007. Reed
9008. Unverzagt
9009. Du Brau
9012. Corbett
9013. Sutherland
9015. Lippert
9019. Campbell
9020. Reid

Printed Specifications—*continued.*

1907.

9022. Dodge
9025. Macdonnell
9026. Hale
9027. Haeseler
9028. Haeseler
9029. Jackson
9031. Hare
9037. Thompson
9038. Grattan
9046. Cotton
9047. Coskerie
9049. Zercho
9051. Chambers
9052. Johns
9053. Caldecott
9056. Tyson
9060. Hewitt
9061. Sigurdsson
9062. Nielsen
9063. Goldschmidt
9064. Loebbecke
9065. Pearce
9066. Severin
9067. Chandler
9070. Mallyon
9071. McVilly
9072. Dinnins
9073. Griffith
9074. Palmer
9076. Metters
9077. Torpy
9079. Smith
9081. Cronk
9082. Tipper
9083. Söiland
9084. Bradley
9085. McComb
9086. Brown
9088. Baker
9091. Charley
9092. Stewart
9093. Mayrhofer
9095. Mowry
9096. Ward
9097. Butlin
9099. Anderson
9101. Ludlow
9102. Whitfield
9106. Raps
9110. Yeiser
9111. North
9114. Shirt
9115. Mues
9116. Sakauchi
9117. Wakely
9119. Schroeder
9121. Mills
9123. Storey
9125. Wilson
9131. Hoskins
9132. Rolfe
9133. Callow
9134. Mitchell
9137. Amey
9140. Smith
9141. Smith
9142. Burgess
9143. Roberts
9144. Lewis
9145. Green
9146. Stevenson
9148. Meacham
9151. Downey
9152. Ward
9153. Keenan
9154. Hullinghorst
9155. Lawrence
9156. Mein
9157. Zeitlin
9158. Rudemann
9159. Oakley
9161. Schwarz
9163. Lee
9166. Nielsen
9167. Ludvigsen
9168. Watson
9176. Snyder
9179. Isherwood
9181. Robertson
9183. White
9184. Francis
9185. Ruddick
9188. Coughlan
9193. Kortlang
9194. Peters
9197. Murray
9199. Wirtz

Vol. 47.

9201. Buendia
9203. Smith
9204. Surcouf
9207. Parsons
9208. Macmichael
9209. Tate
9211. Timms
9214. Holliwell
9215. Broadhouse
9216. Lawless
9217. Holliwell
9218. Hall
9219. Lock
9220. Mergenthaler
9221. Lock
9222. Lock
9225. Kaufman
9226. Prosser
9227. Rice
9232. Borst
9234. Johnson
9235. Church
9236. Veitch
9237. Veitch
9238. Jayne
9239. Broch
9240. Hall
9242. Rankin
9244. Innes
9245. Fleming
9249. West
9251. Poths
9256. Soderling
9257. Rogers
9258. Norris
9259. Rutherford
9260. Gibson
9261. Gibson
9262. Bates
9263. Farrand
9266. McLeod
9267. Staines
9268. Heath
9269. Stokes
9271. Dannert
9274. Wannenmacher
9285. Auldjo
9287. Wirtz
9288. Holman
9289. Hulburd
9290. Bleakley
9291. Rabone
9293. Roberts
9294. Watson
9297. Kent
9298. Gill
9299. Troeller
9300. Vyle
9301. Beldam
9302. Bruyere
9303. Bell
9305. Lindstrom
9306. Collas
9307. Thompson
9312. Allen
9314. Burfoot
9315. Roest
9316. Moscicki
9318. Peach
9322. Belk
9326. Moyet
9328. Webb
9330. Hewitt
9332. Gordon
9338. Morrow
9344. Davies
9347. Kilgour
9349. Newman
9350. Scott
9351. Holmes
9352. Mitchell
9353. Huizer
9354. Hahn
9355. Freygang
9356. Kleine
9360. Warmsley
9367. Wilzin
9370. Johansen
9377. Bates
9378. Smith
9385. Hicks
9392. Yberty

Vol. 48.

9406. Newton
9409. Ross
9410. Prolongeau
9412. Boll
9413. Stuart
9414. Brown
9415. Miller
9416. Purser
9418. Pitner
9421. Traylor
9423. Rogerson
9424. Totterdell
9425. Rogers
9426. Challiner
9436. Johnson
9438. Robson
9440. Munro
9446. Parker
9454. Abramowski
9461. Seppelt
9462. Bell
9464. Friend
9465. Fallshaw
9466. Edmunds
9469. Rabbidge
9470. Kaleski
9473. Alston
9477. Laforet
9479. Clutterbuck
9480. Ransome
9482. Bartlett
9483. Stevenson
9484. Dalén
9485. von Celsing
9486. von Celsing
9487. Dorneth
9488. Sweet

Printed Specifications—*continued.*

1907.

9492. Marconi
9506. McBride
9507. Fawkes
9508. Hackney
9509. Blaisdell
9510. Hackney
9511. Brown
9514. Pitner
9516. Lloyd
9517. Fischer
9518. Coward
9521. Elvage
9522. Schenck
9523. Kaesen
9526. Hopkins
9527. Willson
9528. Brand
9530. Lees
9531. Siegmann
9533. Beaubien
9535. Dolan
9538. Philips
9540. Hibner
9541. Pendlebury
9543. Sponsel
9544. Kidder
9545. Kidder
9546. Kidder
9547. Kidder
9553. Gilbert
9556. Bayles
9562. Clark
9563. Kavanagh
9568. Christian
9569. Duckett
9572. Myers
9573. Brewster
9575. Thom
9576. Shepherd
9577. Wright
9579. Bishop
9580. Rüegg
9581. Coombs
9583. Masson
9584. Attridge
9585. Duncan
9590. Scarcebrook
9591. Bockhoff
9592. Harrop
9597. Bardon

VOL. 49.

9605. Fischer
9610. Sayer
9611. Green
9613. Alcock
9615. Durant
9616. Gunther
9617. Gunther
9618. Barrett
9621. Morisons
9622. Hirsch
9623. Webster
9625. Jurss
9628. Mühlinghaus
9640. Smith
9649. Speirs
9650. Bissaker
9651. Grime
9659. Shacklock
9660. Staer
9662. Whitney
9664. Jackson
9668. Gribben
9674. German
9675. Patterson
9677. Zerning
9680. Parsons
9681. Begg
9682. Bök
9683. Bök
9684. Chamberlain
9685. Fraser
9694. Morton
9695. Henry
9697. Tyree
9699. Lane
9703. Mallyon
9705. Higgin
9706. Coleman
9708. Hamilton
9711. Scott
9713. Byrnes
9714. Dixon
9715. Ilett
9722. Humphrey
9727. Bartle
9730. Flindall
9731. Mower
9732. Stewart
9733. Bartlett
9734. Cottrell
9737. Scott
9739. Seeman
9740. Colburn
9743. Brooks
9745. Butcher
9746. Classen
9747. Classen
9748. Classen
9752. Meyer
9756. Wakefield
9762. Brown
9764. Hakendorf
9770. Lindsay
9771. Hartenstein
9772. Hartenstein
9773. Hartenstein
9774. Hartenstein
9775. Hartenstein
9776. Hartenstein
9777. Hartenstein
9778. Hartenstein
9779. Whitehorn
9781. Litsche
9782. Bachaus
9783. Fraser
9790. Westinghouse
9791. Kron
9792. Solis
9794. Patterson
9796. Imbert
9797. Imbert
9798. Imbert
9799. Smith

VOL. 50.

9800. Antoine
9802. Morison
9808. Reynolds
9816. Langman
9818. Field
9820. Feldmeier
9821. Burrell
9823. Ravelli
9825. Aylmer
9829. Gammeter
9830. Gammeter
9833. Stuart
9834. Augustine
9839. Hylard
9840. Little
9849. Patterson
9850. Schmidt
9853. Spence
9857. Mazlin
9858. Rogers
9859. Corry
9861. Wilson
9880. Howcroft
9881. Campbell
9884. Larbalestier
9886. Clegg
9894. Wilson
9898. Holman
9899. Ceipek
9900. Stephens
9901. Homan
9902. Madgwick
9907. Winzer
9908. Rippin
9909. Hardy
9911. Jackson
9915. Hooper
9917. Hewlett
9919. von Zelewski
9920. Parant
9921. Lewis
9938. Broughton
9939. Ellis
9940. Westfelt
9942. Garner
9946. Schultz
9947. Knight
9948. C-Coles
9950. Lyon
9952. Parker
9955. Dwight
9956. Stilwell
9957. Stilwell
9966. Friedman
9968. Keating
9969. Smith
9970. Butler
9972. Friestedt
9973. Thomas
9974. Davis
9976. Solomon
9977. Gallagher
9981. Pickering
9982. Williams
9993. Myers
9996. Farmer

VOL. 51.

10,001. Burrell
10,008. Marshall
10,009. Maloney
10,015. Bagshaw
10,020. O'Connor
10,021. Rowley
10,024. Crossley
10,025. Moy
10,028. Sellenscheidt
10,031. Burl
10,038. Dalen
10,040. Binney
10,041. Couston
10,049. Borner
10,052. Sutton
10,053. Brown
10,054. Suggate
10,055. Krieger
10,056. Chavanne
10,057. Marconi
10,060. Bellini
10,066. Thomson

Printed Specifications--*continued.*

1907.

10,070. Langer
10,071. Cantwell
10,073. Parris
10,075. Granger
10,077. Thompson
10,079. Cooke
10,080. Millar
10,083. Hutchinson
10,084. Bedford
10,090. Harvey
10,092. Neumann
10,101. Wood
10,102. Buss
10,103. Clark
10,104. Burns
10,105. Marino
10,106. Notcutt
10,107. Roberts
10,109. Linke
10,110. Yarrow
10,111. Basch
10,114. Babé
10,123. Trevellian
10,126. Dunne
10,128. Holms
10,129. Coates
10,134. Graaff
10,135. Graaff
10,136. Graaff
10,137. Graaff
10,138. Graaff
10,139. Graaff
10,140. Graaff
10,141. Graaff
10,142. Graaff
10,143. Graaff
10,149. Abrams
10,151. Finkler
10,157. Simpson
10,160. Pradeau
10,161. Siddall
10,164. Cameron
10,167. Gammeter
10,169. Lawrence
10,171. Ragona
10,175. Kinney
10,178. Schultze
10,179. Dow
10,182. Fawns
10,183. Jones
10,187. Wade
10,190. Terry
10,191. Sweetland
10,192. Dion
10,193. De Witt
10,196. Scheurmann
10,197. Carter
10,198. Bryant
10,199. Gaisman

Vol. 52.

10,200. Curtis
10,205. Thomson
10,206. Dod
10,208. Paulo
10,227. Simm
10,229. McMullen
10,230. McPharlin
10,234. Lucas
10,235. Scharf
10,237. Moss
10,239. Ronchetti
10,243. Alcorn
10,245 Taylor
10,252. Robeson
10,258. Köhler
10,261. den Ouden
10,265. Close
10,267. Bulkeley
10,271. Merton
10,281. Brydon
10,282. Lucy
10,283. Hogan
10,285. Slater
10,286. Sutton
10,288. Carlisle
10,289. Ludowici
10,292. Clark
10,293. Le Claire
10,299. C.-Coles
10,300. Wilson
10,308. Lafontaine
10,310. Bunning
10,313. Sara
10,314. Smith
10,315. Crossley
10,316. Samuel
10,317. Mews
10,328. Benn
10,330. Campbell
10,334. Heathorn
10,350. Blechynden
10,354. McLeod
10,356. Calvert
10,357. Campbell
10,359. Roberts
10,360. Roberts
10,361. Clark
10,362. Hommel
10,368. Ljungström
10,370. Hasenbach
10,373. Eastman
10,380. Cox
10,381. Smart
10,382. Kidder
10,383. Steele
10,392. Reseigh
10,395. Christie
10,397. Sigmont
10,398. Wiggins
10,399. Lemoine

Vol. 53.

10,402. Wainwright
10,409. Fairchild
10,410. Morris
10,411. Blessing
10,413. Alford
10,416. Cooke
10,420. Finnis
10,424. McCray
10,425. Smaill
10,427. Robertson
10,433. Burtart
10,438. Gersch
10,446. Bancroft
10,447. Risberg
10,449. Burgess
10,451. Albrecht
10,452. Caught
10,454. Keene
10,457. Leslie
10,458. Chatfield
10,459. Lennard
10,463. Saunders
10,467. Fischer
10,476. Aldenhoven
10,478. Bryce
10,479. Smith
10,480. Schaller
10,481. Reid
10,484. Ford
10,488. Bills
10,491. Robson
10,492. Zabriskie
10,497. Cunnington
10,504. Young
10,505. Gibson
10,506. Thomas
10,507. Thomas
10,513. Brown
10,514. Gibson
10,521. Brooke
10,530. Benn
10,534. Johnson
10,535. Houlder
10,536. Klinger
10,537. Mühlinghaus
10,540. Simpson
10,541. Hommel
10,545. Barrez
10,550. Lorenz
10,552. Wells
10,555. Reynolds
10,556. Dennison
10,559. Mellor
10,561. Parsons
10,564. Smith
10,568. Schoop
10,570. Weyl
10,573. Webster
10,575. Pieper
10,579. Walker

1908.

10,581. H.-Weston
10,583. Ffrench
10,584. Hillman
10,586. Wightman
10,587. Acheson
10,596. Walker

Vol. 54.

10,600. Douse
10,603. Stowe
10,606. Newcomb
10,609. Mazzolini
10,614. Silver
10,615. Jackson
10,620. Sisterson
10,622. Martin
10,637. Holloway
10,643. Debenham
10,644. Luciani
10,645. Matter
10,654. Carter
10,674. Henderson
10,677. Smith
10,678. Moore
10,679. Moore
10,681. Lindenberger
10,682. Highsmith
10,683. Cardwell
10,687. Palmer
10,688. Overbury
10,691. Gillette
10,695. Joel
10,700. Martha
10,724. Baruschke
10,726. Holbourns
10,727. Mortensen
10,740. Benjamin
10,748. Reynolds
10,749. Doggwyler
10,752. Davidson
10,753. Davidson
10,756. Oatway
10,758. Ramsay
10,766. Searle
10,767. Beamish

Printed Specifications—*continued.*

1908.

10,768. Moore
10,772. Shuman
10,774. Müller
10,782. Hayes
10,786. Breker

VOL. 55.

10,805. Turner
10,806. Humphrey
10,807. Berry
10,811. Holbourns
10,812. Holbourns
10,816. Sturgess
10,820. Perocchio
10,824. Gaut
10,832. Main
10,833. Nance
10,864. Cutler
10,870. de Laval
10,878. Ullrich
10,889. Deunert
10,898. Holdsworth
10,902. Sandell
10,903. Hosmer
10,904. Chauvin
10,906. Nicholls
10,909. Munro
10,911. Angus
10,914. Bode
10,915. Wilson
10,925. Dwight
10,926. Robshaw
10,953. Winstanley

VOL. 56.

11,123. Grognot

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4811. H. V. MCKAY. *Stripper-harvester.* Classes 32.3; 32.6.
4814. V. POULSEN. *Receiving wireless signals.* Class 05.5.
4815. Joyce M. DEACON. *Shirt.* Class 43.3.
4816. J. H. GILLIES. *Leaching ores.* Classes 12.1; 12.2; 14.7.
4817. J. H. GILLIES. *Treating zinciferous ores.* Classes 12.1; 12.2; 14.1; 14.7.
4818. AKTIEBOLAGET SEPARATOR (LJUNGSTRÖM). *Centrifugal separator.* Class 12.3.
4820. G. E. WILKINSON. *Barbed wire threading guide.* Class 81.8.
4822. H. J. R. HEMMING. *Preserving food.* Classes 27.3; 35.3.
4826. F. W. SCHMETZER. *Hairpins.* Classes 43.7; 43.8.
4831. E. B. HOWE. *Card indexes.* Class 54.4.
4832. LAVERTINE and MCNELLAN. *Inflating tyres.* Class 97.85.
4834. N. P. WILLMANN. *Sugar-cane harrow.* Class 31.2.
4835. J. H. BOOTH. *Turn-coupling.* Class 93.3.
4882, 8126, 8526-7, 8596-8. Void applications.

1907.

8622. F. BOUNDY and OTHERS. *Engine.* Class 67.7.
8769. C. A. D. REED. *Grate and oven.* Class 24.2.
8911. H. DENNIS. *Silt scoop.* Class 84.3.
8920. J. W. FAUL. *Protecting gas piping.* Classes 22.5; 74.4.
8948. Void application.
8958. RICHARDSON and GILLESPIE. *Determining water in wool.* Classes 21.5; 37.6; 56.5.
8982. G. C. LITTLE. *Disc harrows.* Class 30.7.
8999. C. J. BERT. *Advertising.* Classes 53.6; 54.1.
9026. G. R. HALE. *Scaffolding brackets.* Classes 78.9; 81.3.
9072. W. J. DINNING. *Harrow and seed drills.* Classes 31.1; 31.2.
9074. W. PALMER. *Sealing mail bags, &c.* Classes 36.2; 54.3; 77.7.
9119. E. S. SCHROEDER. *Extracting stumps, &c.* Classes 30.2; 59.1,

Printed Specifications Published—*continued.*

1907.

9123. W. J. Storey and Others. *Smoke consumer.* Classes 17.7; 63.2.
9188. Coughlan and Leech. *Gutter scoops.* Class 84.3.
9242. The Rankin Lubricating Valve Co. (Rankin). *Valves.* Classes 60.9; 74.5; 74.7; 85.8.
9262. United Shoe Machinery Co. (Bates and Others). *Boot machines.* Class 44.5.
9347. E. C. Kilgour. *Acetylene generator.* Classes 21.5; 21.89.
9339-43. Void applications.
9410. J. Prolongeau. *Fire-grate.* Class 24.2.
9438. G. Robson. *Operating gas burners.* Classes 22.8; 62.1.
9538. W. J. Philips. *Aerating machine and syrup pump.* Classes 27.5; 60.1.
9611. W. J. Green. *Branding boxes, &c.* Classes 37.4; 50.9.
9727. W. Bartle and Others. *Supporting buckets.* Class 36.2.
9850. Schmidt and Desgraz. *Flame furnaces.* Classes 16.40; 19.6; 71.1.
10,083. G. Hutchinson. *Caps of pneumatic valves.* Classes 58.4; 60.9; 94.9; 97.85.
10,201. Void application.
10,354. Marrianne E. McLeod. *Garment charts.* Class 43.1.
10,476. H. Aldenhoven. *Treating clay, &c.* Classes 11.9; 15.1.
10,507. The Austral Manufacturing Co. Propy. Ltd. (Thomas). *Cot bedsteads.* Class 45.2.
10,564. R. M. Smith. *Temperature in goods detector.* Classes 00.7; 00.8; 37.6; 88.2.

1908.

10,584. C. J. Hillman. *Photographic printing.* Class 52.6.
10,724. Baruschke and Jenckel. *Apparatus to determinate animals.* Classes 38.9; 68.3; 68.9.
10,727. O. Mortensen. *Milking machines.* Class 36.1.
10,741-2. Void applications.
10,749. J. E. Doggwyler. *Separating metals.* Class 12.1.
10,758. J. Ramsay. *Internal cushion for boots.* Class 44.3.
10,807. A. F. Berry. *Electric cooker, &c.* Classes 06.7; 24.2; 25.7.
10,820. L. De Matteis (Perocchio). *Feeding current in electric railways.* Class 03.4.
10,824. J. Gaut and Harrington and Co. Ltd. *Cameras.* Class 52.1.
10,870. C. G. P. de Laval. *Extracting iron.* Classes 15.2; 16.2.
10,878. G. Ullrich. *Magnetic separation of ores.* Class 11.7.
10,909. J. A. Munro. *Wire mattresses.* Classes 46.1; 58.4.
10,914. G. G. Turri (Bode). *Repairing piano hammers.* Class 01.2.
10,953. Emily C. Winstanley (A. A. Winstanley). *Removing grain from sheaves.* Class 32.6.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*7th January, 1909.*			
9712	7 Sept.	T. J. Heskett	Vic.	Zinc extraction	457
10,211	9 Nov.	H. Lloyd	N.S.W.	Nave brakes for vehicles ...	580
	1908.				
11,258	13 Apr.	Eda Nesbitt	Vic.	Gentlemen's braces ...	526
11,259	13 Apr.	Eda Nesbitt	Vic.	Shoulder straps, &c. ...	526
11,605	28 May	W. A. van Berkel ...	Holland	Sharpening meat slicers ...	370
	1907.	*8th January, 1909.*			
11,516	*22 July	H. C. Osborn	U.S.A.	Assembling, &c., type ...	340
	1908.				
11,703	12 June	R. Noble	Vic.	Concentrating tables ...	407
	1907.	*11th January, 1909.*			
9735	10 Sept.	R. M., G., S. M., A., and R. Colgate (Ittner)	U.S.A.	Cakes of shaving soap ...	560
9904	2 Oct.	Gertrude M. Greaves ...	Vic.	Bed attachments	525
	1908.				
11,564	22 May	D. S. Waugh	U.S.A.	Rock drill feeding ...	355
11,575	25 May	C. Stott and T. W. Brownlee	Qld.	Totalizator apparatus ...	356
11,740	16 June	H. W. Oberlies ...	Germany	Reinforced concrete pole ...	409
11,767	18 June	W. L. Imlay	U.S.A.	Lixiviator	423
11,778	19 June	F. T. Richards ...	Vic.	Turbine motor	423
11,779	19 June	The Blomstrom Mfg. Co. (Lavigne)	U.S.A.	Motor vehicles	424
	1907.	*12th January, 1909.*			
9759	13 Sept.	H. V. McKay	Vic.	Harvesting attachments ...	478
9809	19 Sept.	C. Tandy	N.Z.	Shearing grip	494
10,467	13 Dec.	A. Fischer	S.A.	Heating vat	810
	1908.				
10,877	20 Feb.	H. A. Turnbull & A. Goding	Vic.	Steam generator	562
11,521	18 May	K. E. Fryklind ...	Sweden	Treating nightsoil, &c. ...	340
11,824	25 June	J. Jowett	Eng.	Treating coal for gas ...	438
11,869	30 June	V. Chavériat	France	Railway, &c., brakes ...	440

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*13th January, 1909.*			
9758	13 Sept.	H. A. McMaugh ...	N.S.W.	Weaning muzzle ...	582
10,016	14 Oct.	Alice J. M. Walker ...	Qld.	Paralytic's exerciser ...	305
10,086	25 Oct.	W. Barratt	S.A.	Sliding seat buggy ...	510
10,238	14 Nov.	The Goldfields Diamond Drilling Co. Ld. (Winston)	Vic.	Boring machines ...	562
	1908.				
12,023	21 July	R. H. Richards ...	U.S.A.	Jigs	492

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
7894	29 Jan.	H. P. White	N.S.W.	Sulphuretted hydrogen gas...	52
9708	7 Sept.	R. Hamilton	Vic.	Severing lambs' tails ...	559
9727	10 Sept.	W. Bartle, P. Trimmer, & W. Packham	S.A.	Supporting buckets ...	560
9732	10 Sept.	C. P. Stewart	U.S.A.	Making sugar	560
9733	10 Sept.	G. G. Turri (Bartlett) ...	U.S.A.	Bottle seals	560

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
19,332	Wainwright, H. S.	3rd June, 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

Corrigendum.—In *Journal* No. 49 of 1908, p. 859, *for* 6367, Timmis, 11th Dec., 1915, *read* 6367, Timmis, 11th Dec., 1909.

1900.

No.	Name.	Paid up to–
5828	Treat, C. P.	29th Dec., 1914

1901.

No.	Name.	Paid up to–
5836	The Linotype Co. Ltd.	8th Jan., 1915
5913	Pupin, I.	1st Mar., 1915

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In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

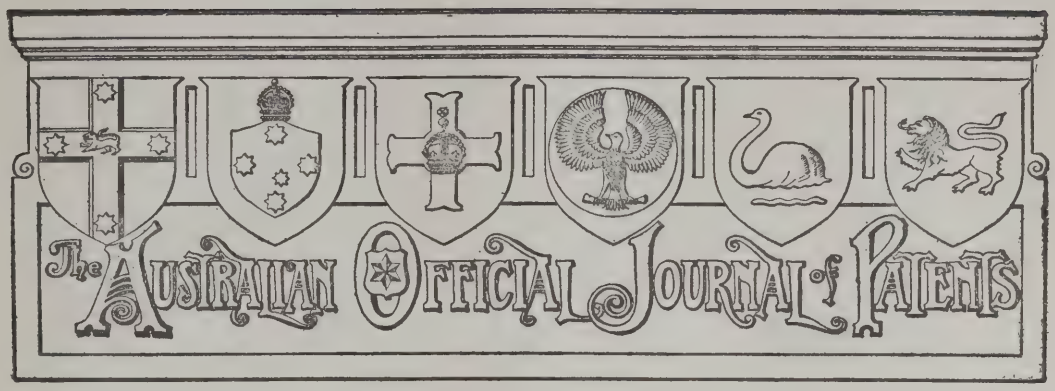
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1902.

No.	Name.	Paid up to—
7484/5547	McKay, H. V.	14th Jan., 1916

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2. On filing complete specification after provisional specification for an additional patent	1	0	0
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3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
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20. For office copies of drawings, sun prints per sheet	0	1	0
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22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 10.] 1909. [No. 3.
(WITH SUPPLEMENT).

Tuesday, 26th January.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.

Applications Received, 13,509 to 13,550.

Commonwealth Proceedings.

States Proceedings.

Supplement—Vol. 9, Part C, in separate cover.

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C.666.

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Patents Act 1906		3d.
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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto, Collins-street, Melbourne.

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MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

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The Australian Official Journal of Patents

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VOL. 10.] 26TH JANUARY, 1909. [NO. 3.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Statistics and Indexes, 1908	45
Subscriptions for 1909	45
Public Holiday	45
Commonwealth—	
Applications Received	46
Provisional Specifications Accepted	49
Complete Specifications after Provisional	49
Applications (Prov.) Lapsed	50
Applications Abandoned, &c.	50
Assignments Registered	52
Complete Specifications Accepted	52
Illustrated Notes	52
Specification (Comp.) open to Public Inspection before acceptance	59
Printed Specifications Published	59
Commonwealth—*continued.*	
Letters Patent Sealed	61
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed	62
New South Wales—	
Assignment Registered	62
Victoria—	
Assignments Registered	63
Queensland—	
Assignment Registered	63
Western Australia—	
Assignment Registered	64
Tasmania—	
Assignment Registered	64

NOTICES.

Vol. 9.—Statistics and Indexes, 1908.

With this number Part C, Commonwealth Subject Index (arranged in classes) for 1908, is issued in a green cover.

Subscriptions for 1909.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Public Holiday.

The Patent Office, Melbourne, will be closed on the 1st February, 1909—Foundation Day.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 14th to 20th January, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 14th January.

13,509. *Prov.* Charles DISERENS, 225 Riley-street, Surry Hills, N.S.W., pastry cook,

"Improvements in turbines."

13,510. *Prov.* Martin Frith CHESTER, "Wenlock," Arthur-street, Fairfield, Vic., commercial traveller,

"An improved dropper and post for wire fences."

13,511. *Prov.* Charles Stuart COX, "Nyallo," Kent-street, Ascot Vale, Vic., merchant,

"An improved expanding fly window screen."

13,512. *Prov.* A. J. McLEAN, Rainbow, Vic., contractor,

"Self working scoop."

13,513. *Prov.* James MARTIN, The Esplanade, Williamstown, Vic., furnace builder,

"Improvements in portable and other coppers and the like."

13,514. *Prov.* Thomas Oldham BENNETT, Greenbank-street, Marrickville, N.S.W., engineer,

"Improvements in machine sheep shears."

13,515. *Prov.* Percival George CHARKER, Budgerabong, *viâ* Forbes, N.S.W., public school teacher,

"A contrivance for burning down trees, burning out stumps and cross burning logs."

Friday, 15th January.

13,516. *Prov.* Henry MEISTER, Gardiners-road, North Botany, N.S.W., manufacturer,

"Improved kerosene pump with self acting valve and indicator to prevent overflow."

13,517. *Prov.* Robert DREW, Southern Cross, W.A., engine-driver,

"Improved holding jack for idle battery stamps."

13,518. *Prov.* Thomas Carr KINNINMENT, 62½ St. George's-terrace, Perth, W.A., agent,

"An improved electrical brand."

13,519. *Prov.* Arthur Reginald PRICE, General Post Office, Perth, W.A., student,

"New & improved process of burning down and cross-burning trees, and burning out stumps etc."

13,520. *Prov.* Johan Terkelsen SCHRÖDER, Latrobe-street, East Brisbane, Qld., master mariner,

"Improvements in and relating to harness."

13,521. *Prov.* Henry James MARKS, Margaret-street, Toowoomba, Qld., architect,

"Appliances for engaging or releasing the coupling links to or from the draw hooks of railway vehicles."

13,522. *Prov.* Edgar Daniel JOLLY, Bourke House, Lower Fort-street, Sydney, N.S.W., engineer,

"Jolly's patent rail."

Applications received, 14th to 20th January—*continued.*

13,523. *Prov.* Bertram Burnard Fabian, assayer, and David Henderson, battery manager, both of Koorboora, Qld.,

"New process for the extraction of metallic tin from ores."

13,524. *Comp.* Arthur James Hanson, electrical engineer, of General Electric Co., 33 York-street, N.S.W., *agent of* Cecil Selwyn Teece, *act. inv.*,

"Improvements in electric magazine cut-outs."

Saturday, 16th January.

13,525. *Prov.* Joseph Brazier, 91 Nelson-road, South Melbourne, Vic., and Herbert Watson, 58 Fraser-street, West Brunswick, Vic., engineers,

"An automatic rotary gas lamp and pilot lighter and extinguisher."

13,526. *Prov.* Arthur James Jodrell Bolton, 16 Mont Albert-road, East Kew, Vic., metallurgist,

"Improvements in railway rolling stock, rendering it serviceable upon lines of different gauge."

13,527. *Comp.* Thomas James McBride, 136 Papanui-road, Christchurch, N.Z., gentleman,

"An improved puncture proof pneumatic tyre and retaining rim casement for vehicle wheels."

Monday, 18th January.

13,528. *Prov.* Arthur Ellison, Taronga, South-terrace, Adelaide, S.A., inventor,

"An improved detachable water filter."

13,529. *Prov.* Gordon George Johnston, Citizens' Chambers, Moore-street, Sydney, N.S.W., mining broker,

"Improvements in furnaces specially useful in the smelting of ores."

13,530. *Prov.* The Federal Fuel Gas Proprietary Limited, 2 Margaret-lane, Sydney, N.S.W., furnace proprietor, *assignee of* Frank Cotton, *act inv.*,

"Improvements in steam boilers."

13,531. *Comp.* John Bowen Owen Evans, Lands Office, Roma, Qld., land commissioner,

"Forko."

13,532. *Prov.* Harold Edward Hurst, Skene-street, Newtown, Geelong, Vic., engineer,

"An improved clip for fastening the caps of wool packs."

Tuesday, 19th January.

13,533. *Prov.* William Garrard, Burnside, Tas., farmer,

"An improved method of and apparatus for fastening buttons to fabrics."

13,534. *Prov.* Arthur Reginald Price, General Post Office, Perth, W.A., student,

"Process of burning down and cross-burning trees, burning out stumps etc. by means of a forced draught of air."

13,535. *Prov.* James Douglas Sanders, *assignee*, 63 Walcott-street, North Perth, W.A., contractor, and Howard Garthon Bowern, *act. inv.*, 215 Stirling-street, Perth, W.A., mechanic,

"Indelible instantaneous and portable brand."

13,536. *Comp.* William George Romeril, 66 Humber-road, Westcombe Park, London, S.E., Eng., sanitary inspector,

"Gangway guard device for stopping rats passing to or from a ship."

Wednesday, 20th January.

13,537. *Prov.* Karl Larsen, Dangan, near Beverley, W.A., farmer,

"Improved earth boring tool."

13,538. *Prov.* Thomas Retallack, Narrogin, W.A., contractor,

"Improved brick making machine."

13,539. *Prov.* William Falls, Cuballing, W.A., farmer,

"Hay steaming appliance."

13,540. *Prov.* George Stanley Lovett, 14 Salisbury Buildings, 150 Queen-street, Melbourne, Vic., architect,

"An improved combined set square."

13,541. *Prov.* Frederick Giles, 26 Wellington-street, St. Kilda, Vic., manufacturer,

"Improved roofing tile."

Applications received, 14th to 20th January—*continued.*

13,542. *Comp.* Johann Heinrich Arthur SCHAAR, 28 Brandstwiete, Hamburg, Germany, merchant, *assignee of* Erich Karl Mathias HOLST, *act. inv.*, 1 Lornsenplatz Altona, Germany, apothecary,

"Improved method of producing an elastic composition suitable for use as a filling for motor car tyres and other purposes."

13,543. *Comp.* William Herbert WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* SIEMENS AND HALSKE AKTIENGESELLSCHAFT, Askanischer Platz 3, Berlin, S.W., Germany, manufacturers, *assignee of* Max HUTH, *act. inv.*, Lehmeyerstrasse 18, Charlottenburg bei Berlin, Germany, electrical engineer,

"Improvements relating to the electrolysis of aqueous solutions."

13,544. *Comp.* Alexander TURNBULL, of Alexander Turnbull & Co. Limited, St. Mungo Works, Bishopbriggs, Glasgow, Scotland, engineer,

"Improvements in and connected with tyres and the means of fixing same."

13,545. *Comp.* Ernest George MITCHELL, "Trewyn," College-road, Dulwich, S.E., London, Eng., secretary, *assignee of* Horace HARSANT, *act. inv.*, 2 Westbrook Villas, Morland-road, Lennard-road, Penge, Surrey, Eng., plumber,

"Improvements in automatic apparatus for use in petrol lighting."

13,546. *Comp.* George James Cox, Campbell-road, Balwyn, Vic., gas engineer,

"A co-operative system of concurrently recording meter index registers, determining charges, and other matters relating thereto, and means therefor."

13,547. *Comp.* Mark Edward HECTOR, *act. inv.*, plumber and gasfitter, and Peter BEDDIE, *assignee*, builder and contractor, both of Millthorpe, N.S.W.,

"An improved interceptor and rough filter for roof water."

13,548. *Prov.* Percy WILSON, publisher, and Henry Roderick PIKE, advertising expert, both of 4 Post Office Chambers, 114A Pitt-street, Sydney, N.S.W.,

"A combined clip and suspender for certain kinds of reference books."

13,549. *Prov.* Charles TILLEY, Alexander-street, Burnie, Tas., engineer,

"Horse shoe making machine."

13,550. *Comp.* Denies CURRAN, Battery-street, Hillgrove, N.S.W., miner,

"An apparatus for dividing laying hens from the non-laying hens."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

Corrigendum.—In vol. 8, No. 28, page 494, *for* 11,007, Matthews, J. H., *read* 11,907, Matthews, J. H.

12,279. Pritchard Bros. Ltd. (Pritchard)
12,963. Benz, A.
13,086. Ward, F. T.
Self-opening cannister or box.
13,087. Mitchell, J. B.
13,091. Drew, J. M.
Sun-clock.
13,208. Un. Shoe Mach. Co. (Bates)
13,253. James, C. M., & Huelin, J. W.
13,284. Clark, W.
13,287. Eustace, C. W. T., & Adrain, A.
13,290. Short, E. L.
13,291. Haslam, W., & Sinclair, A.
13,292. Dallimore, A. G.
13,294. Jamieson, W. McC.
13,295. Hansen, T. H., & Guthridge, C. F.
13,298. Atkins, E. S.
13,301. Ragg, J. W.
13,303. Jackson, J. D., & Metters, J. T.
13,304. Raleigh, T. E.
13,305. Melva, Laura
13,306. Bennett, E.
13,308. Blackman, A. A.
13,310. Higgins, M. J.
13,312. McGee, J. A., & Dougall, J. L. V.
13,313. McCarron, J. T.
13,316. Floessell, W. F.
13,318. Litchfield, H.
13,319. Howlett, R. H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,100. Alexander Elias Anderson, Carron, Vic., farmer,

"An improved waggon jack." 18th Jan., 1909.

11,142. George William Monk and Herbert Roland Maguire, both of Atherton, North Qld., licensed surveyors,

"A device to enable railway wheels to revolve independently." 18th Jan., 1909.

11,158. John Harold Hutchinson, Queen's-avenue, off Dominion-road, Auckland, N.Z., engineer,

"Improvements in the slides of lathes, planing machines and the like." 18th Jan., 1909.

11,278. Arthur John Bedford, 33 William-street, Melbourne, Vic., manufacturer,

"A device for automatically lighting from a pilot light, and extinguishing street gas lamps." 14th Jan., 1909.

11,306. William Egerton Waldon, Railway-parade, Leederville, W.A., manufacturer of musical instruments,

"Improved horn for gramophones phonographs and such like instruments." 20th Jan., 1909.

11,447. Edward Brazenall, Stanthorpe, Qld., engineer,

"Improvements in the lower tumbler gear that carries the chain of buckets in dredging machines." 18th Jan., 1909.

11,613. John McLaren, North-street, Ascot Vale, Vic., business manager,

"An improved soft metal headed nail." 19th Jan., 1909.

12,598. William John Rawling, Pulteney-street, Adelaide, S.A., tinware manufacturer,

"Improvements in sanitary pans." 18th Jan., 1909.

12,791. Arthur John Bedford, 33 William street, Melbourne, Vic., manufacturer,

"A device for automatically lighting and extinguishing street gas lamps and pilot light therewith." 14th Jan., 1909.

12,796. John Holgate, French Rand Gold Mining Company Limited, Luipaardsvlei, Transvaal, S. Af., engineer,

"Improvements in reciprocating engines." 19th Jan., 1909.

12,861. Ernest Gilbert Wilson, Mount Alford, *viâ* Boonah, Qld., school teacher,

"Improvements in flying machines." 15th Jan., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,047. Saunderson, W. I., Townsend, A. R., & Turnbull, S. J.
11,048. Price, W. J.
11,049. Hewitt, J. H.
11,050. Callinan, A. J. (Arbuckle)
11,052. Friend, J. E.
11,053. Cornes, H. A.
11,054. Wilson, J.
11,056. Sutton, J.
11,068. Goode, W. A.
11,076. Wright, W. J., & Mooney, P. H.
11,089. Winters, J., & McIntosh, F. G.
11,092. Rostron, W. A.
11,093. Brown, G. J.
11,094. Mues, J.
11,095. Leech, J. R.
11,096. Dayton, W. T.
11,098. Bonham, F. H. (Schwarz)
11,099. Wells, A. J.

Applications Abandoned, Withdrawn, &c.

1905.

3141. *C.a.P.* (*Lapsed.*) William Hargraves HAMMOND, 104 Moncur-street, Woollahra, N.S.W., contractor,

"Tubular fire bars for steam boilers."

4270. *C.a.P.* (*Lapsed.*) John POOLMAN, Wyalong, N.S.W., wine merchant,

"A composition for exterminating white ants."

4378. *Comp.* (*Lapsed.*) MARINE CONSTRUCTION COMPANY, San Francisco, Cal., U.S.A., *assignee of* John David MURRAY, *act. inv.*, San Francisco, Cal., U.S.A.,

"Improvements in sand blast apparatus."

4473. *C.a.P.* (*Lapsed.*) Thomas Coulter WRIGHT, 400 Little Collins-street, Melbourne, Vic., general agent,

"An automatic animal and bird trap."

4492. *Comp.* (*Lapsed.*) William Henry EDWARDS, Attunga, *viâ* Tamworth, N.S.W., mine manager,

Application under Sec. 7.

[N.S.W., 13,557/*03*; Qld., 7401/*03*.]

"Safe and improved method for attaching and connecting detonators, caps or exploders to fuse, tape, or electric wire."

4598. *Comp.* (*Lapsed.*) Herbert WALLACE, salesman, and Robert STEWART, bootmaker, both of 21 Station-street, Port Melbourne, Vic.,

"Machine for shrinking tweeds and such like cloths."

4623. *Comp.* (*Lapsed.*) Robert Alfred Fawcett SINCLAIR and Cecil Vincent STEVENSON, both of 248 George-street, Sydney, N.S.W., electrical engineers,

"The Sinclair-Stevenson time switch."

Applications Abandoned, Withdrawn, &c.—*continued.*

4630. *C.a.P.* (*Lapsed.*) Thomas Henry NEILL, Perth, W.A., harvest machinery expert,

"Improvement in platforms of reapers and binders."

4663. *Comp.* (*Lapsed.*) ROBT. REID & CO. LTD., York-street, Sydney, N.S.W., warehousemen,

"The Federal adjustable collar."

4680. *Comp.* (*Lapsed.*) Francis James ODLING, 2 Prince's Walk, Prince's-bridge, Melbourne, Vic., mining engineer, and William JAMIESON, Broken Hill Chambers, 31 Queen-street, Melbourne, Vic., gentleman,

Application under Sec. 7.

[N.S.W., 12,512/*02*; Qld., 6977/*02*; S.A., 8600/6284/*03*; W.A., 4162/*02*; Tas., 3579/*02*.]

"Improvements in magnetic separators for pulverized ores and other materials."

4701. *Comp.* (*Lapsed.*) Charles EASTES, *act. inv.*, Linden, Hastings-street, Marrickville, N.S.W., manufacturing chemist, and George Colbran EASTES, "Melrose," Wrights-road, Drummoyne, N.S.W., printer and publisher,

"The better clarification of cane juice and the manufacture of sugar."

4721. *Comp.* (*Lapsed.*) George STEVENSON, 87 Ferry-road, corner Mathisons-road, Christchurch, N.Z., cycle engineer,

"An improved mop wringer attachment for buckets."

1907.

9990. *C.a.P.* (*Lapsed.*) Joseph Wall BYRNE, Pomona, North Coast Line, Qld., timber getter,

"Jockey or riding saddle."

9992. *Comp.* (*Lapsed.*) Andrew William SINCLAIR, Launceston, Tas., manufacturer,

"Sinclair's 'Foso' electric belt."

10,013. *C.a.P.* (*Lapsed.*) Mark Anthony GRANT, 26 White-street, Richmond, Vic., house painter,

Application under Sec. 85, additional to 1665/*04*.

"Auriferous clay roaster and fluted grinding elevator working in and out or in conjunction."

10,030. *Comp.* (*Lapsed.*) George Thomas MALONEY, Apollo Bay, Vic., builder,

"Maloney's cream aerator and cooler."

1908.

12,669. *Prov.* (*Withdrawn.*) Henry Shortland MAWLE, of Miss Carter's, The Grange, Kalgoorlie, W.A., photographer,

Application under Sec. 85, additional to 10,632/*08*.

"Mawle's improved horizontal wind mill."

Assignments Registered.

1907.

7778. "Improvements in electric time pieces."

Assignment of the whole *by* Dr. Hermann KUTNOW *to*

EUREKA CLOCK COMPANY LIMITED. Dated 9th Dec., 1908. Registered 14th Jan., 1909.

7818. "Improved means for hanging window curtains."

Assignment of the whole *by* Arthur KALE and Charles GILFILLAN *to*

Edward John ARMSTRONG. Dated 8th July, 1908. Registered 14th Jan., 1909.

9247. "An improved machine for calculating the weight of butter fat in cream or milk."

Assignment of the whole *by* Randolph Stuart SANDERSON *to*

William FERGUSON. Dated 16th Dec., 1908. Registered 14th Jan., 1909.

9709. "Improvements in mechanism for the driving of the beaters of stripping and combined stripper harvesting machines."

Assignment of the whole *by* John Francis MCNEILL and Henry CARTER *to*

John MITCHELL, trading as MITCHELL & Co. Dated 31st Dec., 1908. Registered 14th Jan., 1909.

1908.

10,726. "Improvements in linotype machines."

Assignment of the whole *by* Edward Needham WATERS *to*

LINOTYPE AND MACHINERY LIMITED. Dated 21st Oct., 1908. Registered 14th Jan., 1909.

11,740. "A reinforced concrete pole or mast for supporting electric conductors or for other purposes."

Assignment of the whole *by* Heinrich Wilhelm OBERLIES *to*

Rudolf WOLLE. Dated 28th Sept., 1908. Registered 14th Jan., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,669. Bronner.
10,671. Varley.
10,769. Lomas.
10,795. Dicke.
10,941. Moody.
11,041. Gunn.
11,386. McNeil.
11,674. Palmer.
11,724. Foster.
11,978. Morrow.
12,051. Richmond.
12,307. Bowen.
12,389. Woolliscroft.
12,414. Ring.
12,423. Schmidt.
12,437. Spalckhaver.
12,438. Willson.
12,443. McComb.
12,444. McComb.
12,450. Corin.
12,458. Chalas.
12,578. Church.
12,700. Plant.
12,748. Harkness.
12,750. Hooper.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, 121, of the Patents Act 1903, or by the Patent Act 1906, or by other circumstances, the particulars are stated.

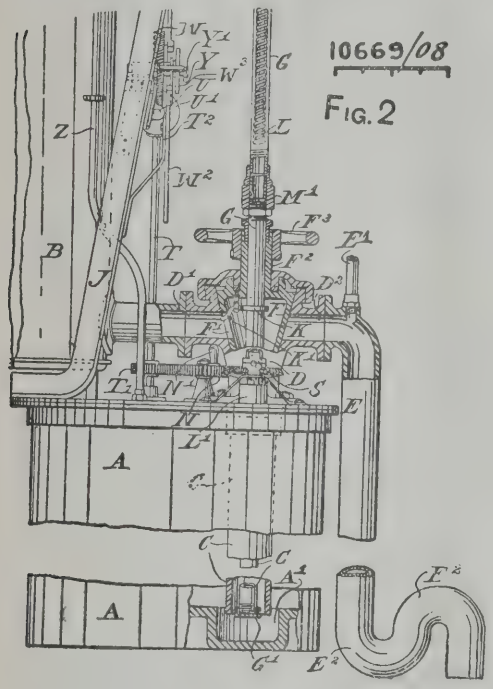
Complete Specifications Accepted—*continued.*

1908.

10,669. 17 Jan. A. F. BRONNER, A. A. QUICK, and C. J. SPENCER, Victoria.

Classes 56.5; 56.6.

Kerosene measuring tank attached to bulk tank with aggregate register **S**. Siphon action delivery to transport tank; indicator **W²** for any pre-determined quantity, and stylus-disc recorder **W³**.

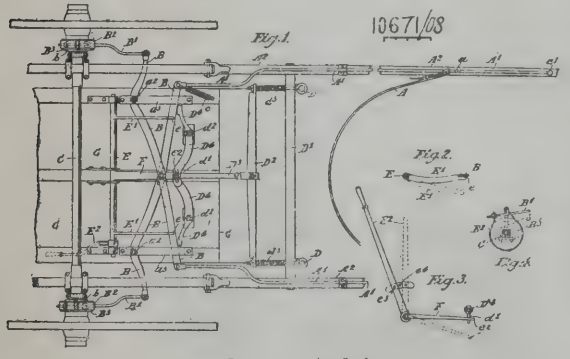


2 figures, 10 claims.

10,671. 18 Jan. W. J. F. VARLEY, Vic.

Classes 39.4; 39.6; 93.3; 93.7.

Brake mechanism operated by breeching straps or by traces when horses bolt.

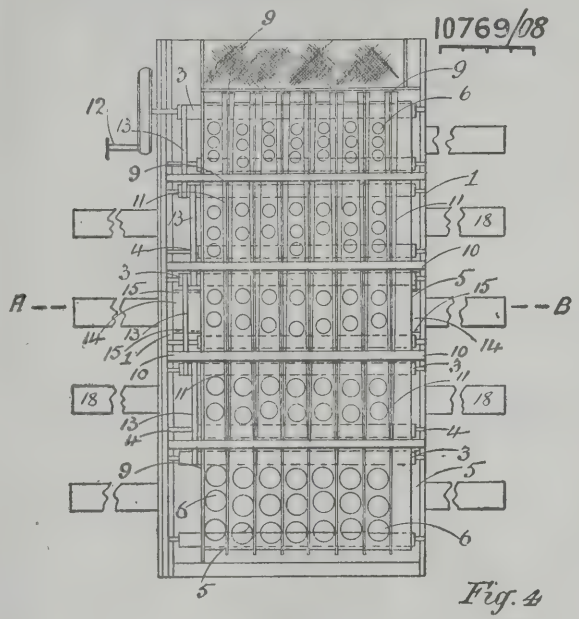


4 figures, 4 claims.

10,769. 3 Feb. J. LOMAS, Tasmania.

Class 32.7.

Fruit grader: Longitudinal races with diminishing fillets, perforated endless belts with sloping canvas conductors.

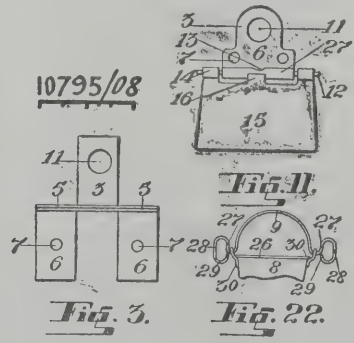


5 figures, 5 claims.

10,795. 7 Feb. D. W. DIKE, Victoria.

Classes 36.2; 73.8.

Combination knee rest and ear piece secured to bucket; many designs.



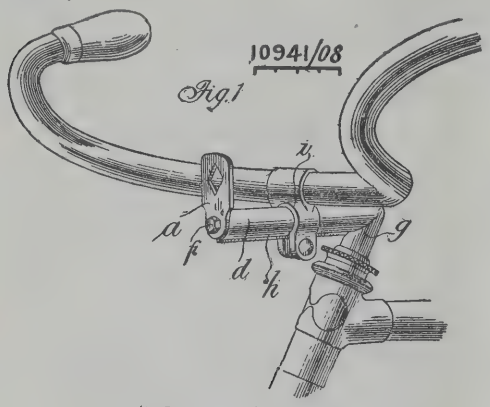
22 figures, 10 claims.

Complete Specifications Accepted—*continued.*

10,941. 28 Feb. S. MOODY, Victoria.

Classes 94.3; 94.9.

Handle bar with forward extension for lamp bracket, &c.

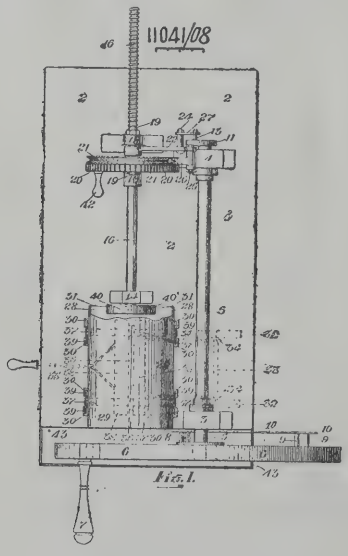


7 figures, 4 claims.

11,041. 13 Mar. ANNIE GUNN and HARRY HOBSON HOOKE, Victoria.

Classes 10.7; 35.1; 76.8.

Meat slicer: Adjustable cylinder for holding meat; knife attached to rotary fly-wheel also operates ram on feed screw.

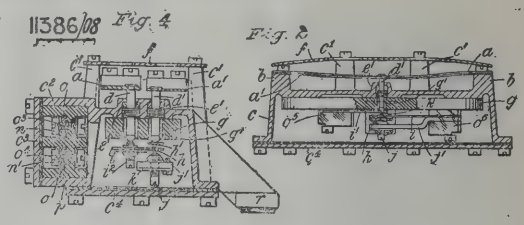


3 figures, 9 claims.

11,386. 29 Apr. THE PEARSON FIRE ALARM LIMITED (MCNEIL, England).

Class 00.7.

Thick and thin strips acting differentially for sudden temperature rise; stop action for gradual temperature rise.

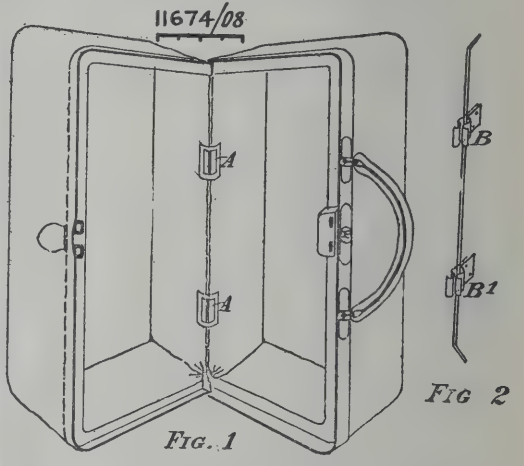


3 figures, 3 claims.

11,674. 9 June. E. PALMER, Queensland.

Class 57.8.

Portmanteaux: Removable partition to facilitate nesting for transport.

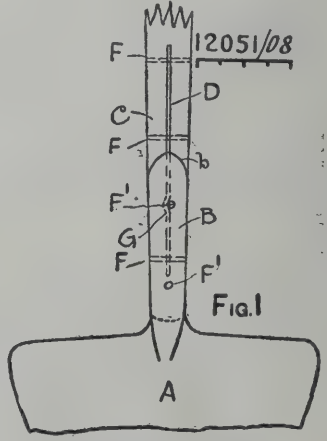


3 figures, 1 claim.

12,051. 23 July. J. RICHMOND, England.

Class 30.1.

Handles for spades, &c.: Reinforced at socket end by metal strip **D** in saw cut.



6 figures, 2 claims.

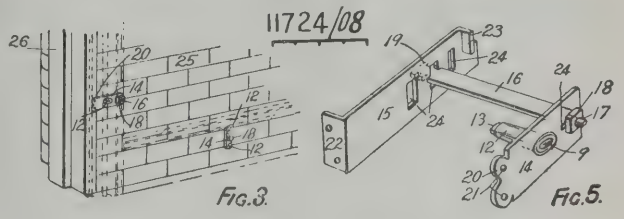
Complete Specifications Accepted—*continued.*

11,724. 15 June. G. H. FOSTER and G. BAYLEY, New South Wales.

Classes 70.2; 78.9; 81.5.

Securing frames in building structures by a metal plate with extensions; wooden core, a rear plate on opposite side of partition, and a bolt for locking the plates together as shown.

9 figures, 4 claims.

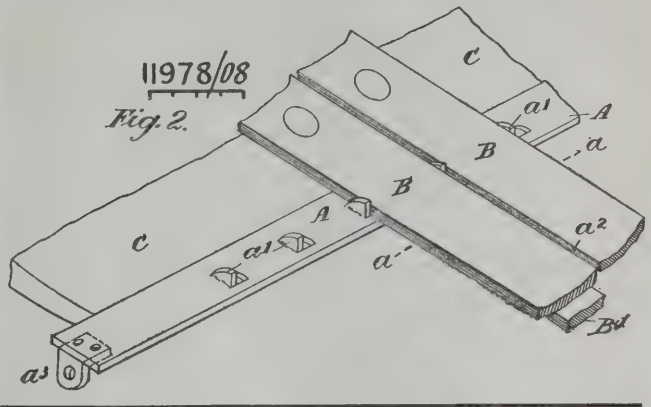


11,978. 14 July. JAMES MORROW, Victoria.

Class 32.3.

Choke clearer: Transverse toothed bar sliding below combs.

4 figures, 1 claim.

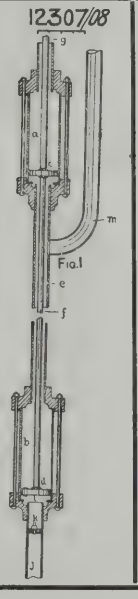


12,307. 24 Aug. H. C. BOWEN, South Australia.

Class 68.3.

Plunger pumps: Two interconnected cylinders at different levels; delivery pipe connected between pumps.

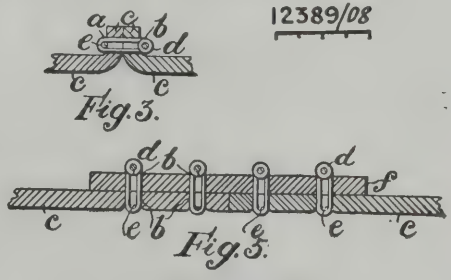
4 figures, 3 claims.



12,389. 4 Sept. F. MITCHELL and F. GUNN (WOOLLISCROFT, England).

Class 62.7.

Butt or flange belt fastener; wire loops secured by rods. Several modifications.



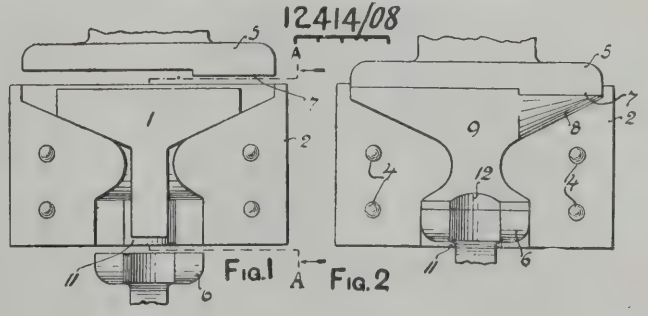
11 figures, 6 claims.

12,414. 7 Sept. W. F. RING, United States of America.

Class 71.3.

A two-part die **2** for making an anvil in one operation from a T-shaped blank **1** by pressure of plungers **5**, **6**.

5 figures, 1 claim.

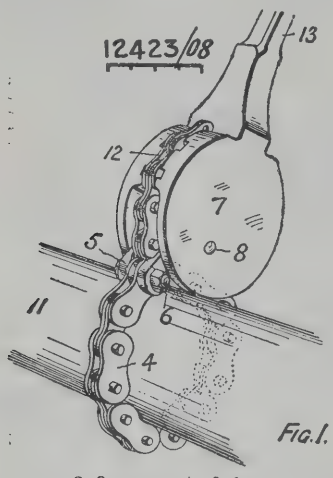


Complete Specifications Accepted—*continued.*

12,423. 8 Sept. H. W. SCHMIDT, New South Wales.

Class 74.6.

Chain tongs: Chain is passed round pipe through shackle **5** attached to pivot pin **8** and into gripping cheeks **12**.

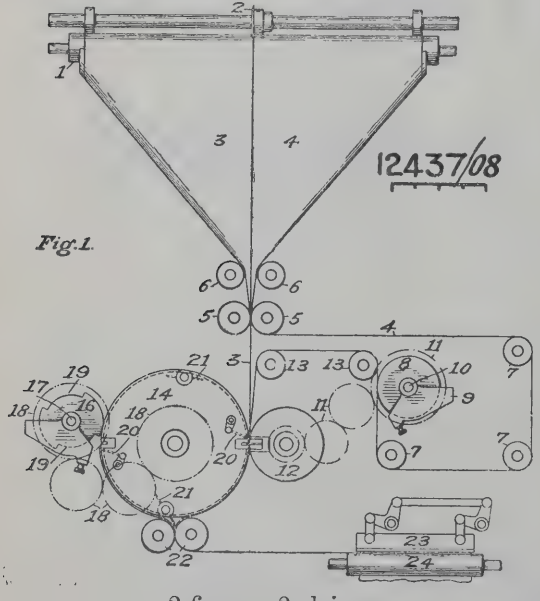


3 figures, 4 claims.

12,437. 8 Sept. W. H. WATERS (SPALCKHAVER, United States of America).

Classes 48.3; 50.8.

Pasting discs **8**, **16**, used in sixteen page paper folding.



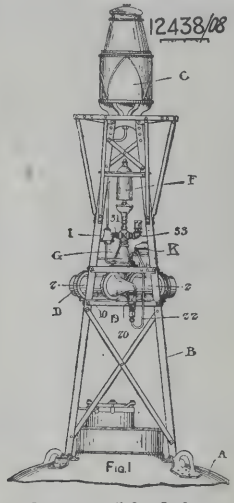
2 figures, 2 claims.

12,438, 8 Sept. INTERNATIONAL MARINE SIGNAL CO. LTD. (WILLSON, Canada).

Sec. 85. Commonwealth 9527/07.

Classes 01.1; 66.5; 82.1; 99.6.

Gas buoy with ignition device **I** and convoluted explosion chamber **D** of sufficient capacity to give prolonged blasts of whistle **F**.

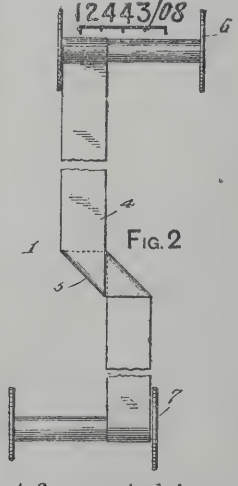


5 figures, 10 claims.

12,443. 9 Sept. JENNINGS SCOTT MCCOMB, United States of America.

Classes 48.3; 53.4.

Winding flexible strips on reels.



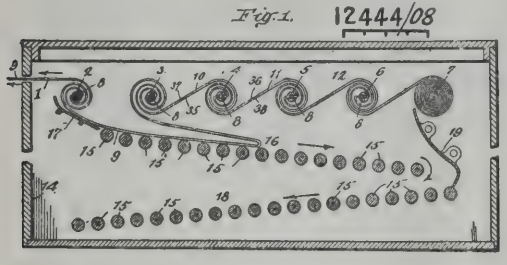
4 figures, 4 claims.

Complete Specifications Accepted—*continued.*

12,444. 9 Sept. Jennings Scott McComb, United States of America.

Classes 48.3 ; 53.4; 60.5,

Reels **2**, **3**, **4**, **5**, **6** are slotted through which the strip or film **1** passes. The film is double wound and is either anchored or endless. The slack is taken up by idle rolls, travelling belts, or weights.

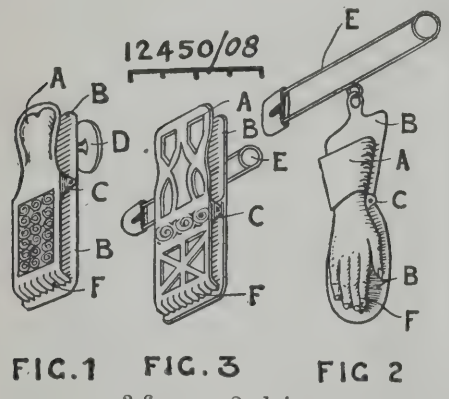


6 figures, 5 claims.

12,450. 9 Sept. W. Corin. N. S. Wales.

Classes 43.9; 54.2.

Spring ticket-holders, with stud or safety pin.



3 figures, 2 claims.

12,458. 9 Sept. E. Phillips (A. Chalas, United States of America.)

Class 07.6.

Nickel is recovered from nickel-iron ores by melting the ore and producing ferro-nickel, casting the alloy into anodes, electrolytically dissolving the anodes, continuously precipitating the dissolved iron by nickelic hydroxide and redepositing the dissolved nickel.

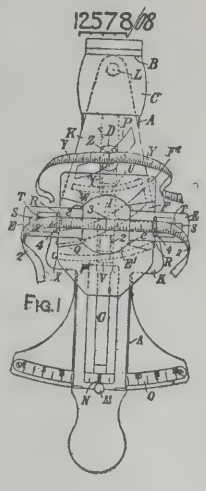
No drawing, 6 claims.

12,578. 23 Sept. W. Church, England.

Classes 44.5; 56.4.

Measuring feet : Instep tape **Y** and vamp girth tape **2** adjusted through sliding pieces **D** and **I** by cam grooves **W** and **X** in the pivoted lever **K**, which indicates the size at **M**.

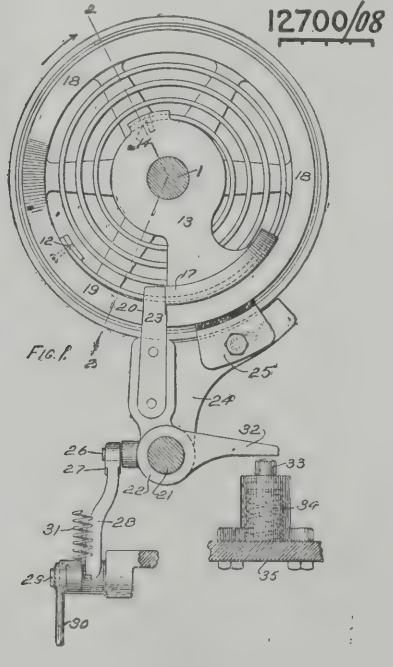
2 figures, 4 claims.



12,700. 6 Oct. T. G. Plant, United States of America.

Classes 42.3 ; 42.7 ; 44.5 ; 61.5.

Sewing machine stop action : Brake shoe **25** is applied by a spiral spring wound by momentum of wheel **18** when arm **13** is intercepted by stop finger **23** mounted to slide along spindle **21** ; recoil is checked by stop **20** on the clutch wheel **18** and buffer **33**.



6 figures, 7 claims.

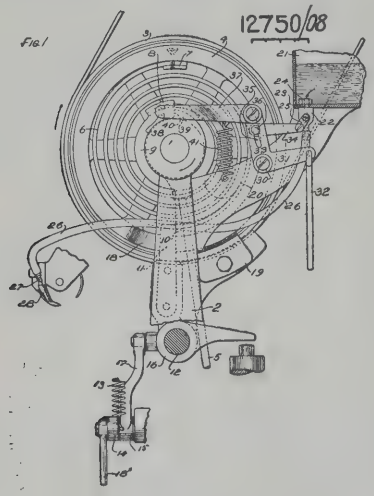
Complete Specifications Accepted—*continued.*

12,750. 12 Oct. W. H. HOOPER, U.S.A.

Sec. 121. U. S. America, Serial No. 407,682, 23 Dec., 1907.

Classes 42.7; 44.5.

Boot channel moistening: Valve **25** admits liquid from a tank to passage **28** in the channel guide; the valve is closed by a toe **38** engaging with stop **40** when shaft **1** recoils under action of spring **6**.

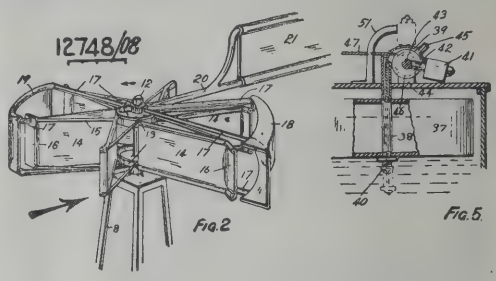


2 figures, 6 claims.

12,748. 12 Oct. F. HARKNESS, New South Wales.

Classes 61.9; 90.7.

Cross flow windmill: Quadrant wind shields **18, 19** directed by rudder vane **21**; band brake cord **47** operated by weight **41** released by tank float **37** controlled by supply outlet valve **35** and float **34**.



6 figures, 5 claims.

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,369. William Hay CALDWELL, Morar Lodge, Mallaig, Invernessshire, Scotland, gentleman,

Application under Sec. 121.

[Date applied for 24th Jan., 1908, being date of application in Great Britain. Application also made in U.S.A., 24th Apr., 1908; Germany, 27th Apr., 1908; Hungary, 27th Apr., 1908; Austria, 28th Apr., 1908; and Canada, 4th May, 1908.]

"Improvements in or relating to the production of sensitized surfaces or films for photographic purposes."

Printed Specifications Published.

Vols. 26 to 39, comprising Applications numbered from 5000 to 7799 are now complete with title pages, &c.

Vols. 40 to 41 comprise Applications from 7800 to 8199; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 5000, and many of higher numbers than 8200, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4783. A. COLLIER. *Cheque forms.* Class 54.5.

4785. A. STUART. *Sieves.* Classes 11.3; 19.1.

4786. W. SILVER. *Sheep shears.* Class 37.6.

4787. M. J. HIGGINS. *Horse-race starter.* Class 53.3.

4795. J. J. POWER. *Wash-boards.* Class 25.2.

4799. PNEUMATIC HARNESS LTD. (HULL). *Pneumatic horse saddle.* Classes 39.8; 97.80.

4806. S. S. PEACOCK. *Rifle sight.* Class 89.5.

4807. E. MARCHANT. *Combination tool.* Classes 76.1; 89.9.

4808. J. WALKER. *Paper file.* Class 48.8.

4809. A. BLANCHARD and OTHERS. *Incandescent vapour burners.* Class 23.5.

4827-30, 4836, 4844. Void applications.

Printed Specifications Published—*continued.*

1907.

8335. D. T. and R. H. ROBERTS. *Roofing spout bracket.* Classes 78.9; 81.4.
8474-8, 8480-3, 8486-7, 8511, 8537-9, 8546, 8560, 8568. Void applications.
8576. A. ANDERSON (OKAZAKI). *Nitrogenous nutrient.* Classes 09.3; 31.7; 34.2.
8615-7, 8629, 8659-67, 8680-3, 8773-4, 8781-4, 8809-10, 8812-3. Void applications.
8834. H. A. WOOD. *Straw hat.* Class 43.8.
8842. O. GRAY. *Artificial inspirator.* Classes 17.3; 23.7; 56.5; 69.4; 87.2; 88.1.
8876. J. F. BRANDT. *Pump.* Class 22.4.
8983-5. Void applications.
9162. J. J. NOONAN. *Vehicle wheels.* Classes 93.4; 97.2.
9192. J. GRAY. *Target hit indicator.* Class 89.5.
9224. W. C. SOUTHGATE. *Street tarring machine.* Class 86.5.
9230. T. B. LOCKLEY. *Bench vices.* Class 80.3.
9247. R. S. SANDERSON. *Calculator for butter fat.* Classes 36.2; 56.2.
9393. S. A. BRADLEY. *Fixing colour of fruit.* Classes 26.5; 31.5; 34.7.
9441. T. ROBSON. *Bench stop.* Class 80.3.
9453. T. WILLIAMS. *Animal trap.* Classes 38.6; 38.7.
9652-5. Void applications.
9971. WESTERN MILL AND MACHINE CO. (RICHARDS). *Stamp and grinding mill.* Classes 10.2; 10.5; 60.8.
9995. J. A. WILEMAN. *Table or bench churn.* Class 36.7.
10,005. Annie M. PONNINGHAUS. *Clothes washing machine.* Class 25.2.
10,165. Void application.
10,186. C. W. DAKE. *Elastic fluid turbines.* Classes 67.1; 67.2.
10,233. ROGERS and CANTELO. *Rifle wind-gauge.* Class 89.5.
10,372. P. O. POULSON. *Rotary engines.* Class 67.7.
10,421-3. Void applications.
10,445. MONOTYPE MACHINE (COLONIAL PATENTS) SYND. LTD. (BANCROFT and INDAHL). *Record strip composing machines.* Class 50.5.
10,469. J. T. TURNER. *Rubbish destructor.* Class 86.6.

1908.

10,608. J. W. HUELIN. *Smoke preventer.* Classes 17.1; 17.7.
10,754. W. R. HALLIDAY. *Horse collars.* Class 39.6.
10,802. T. BOTTRELL. *Branding calves, &c.* Classes 37.3; 37.4.
10,815. W. WRIGHT. *Hay derricks.* Classes 32.7; 59.1.
10,913. THOMAS-RUSSELL LOCK CO. (THOMAS). *Door locks.* Class 77.3.
10,927-9. Void applications.
10,960. R. T. HAINES. *Washing machines.* Class 25.2.
10,999. A. REYNOLDS. *Electric furnaces.* Class 06.8.
11,061. W. H. FLETCHER. *Crushing mills.* Classes 10.3; 10.6.
11,065. P. F. PECK. *Centrifugal ore separators.* Classes 11.4; 12.3.
11,066. P. F. PECK. *Centrifugal ore separators.* Classes 11.4; 12.3.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*15th January, 1909.*			
9770	16 Sept.	J. & R. Lindsay ...	N.Z.	Electric trolley pole ...	579
	1908.				
11,204	6 Apr.	J. E. Dodd	S.A.	Covering piano hammers ...	601
11,912	7 July	O. Lietzenmayer ...	Germany	Internal combustion engines	455
	1907.	*18th January, 1909.*			
10,067	22 Oct.	J. G. Haebich & A. W. & J. G. Schubert	Vic.	Choke clearing for harvester combs	495
10,266	19 Nov.	Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft) (Sussman)	Germany	Incandescent mantles ...	744
10,371	3 Dec.	Un. Shoe Mach. Co. (Bates)	Eng.	Inseam trimming ...	543
	1908.				
11,085	18 Mar.	W. H. Waters (Herrick)...	U.S.A.	Uniting metal bodies ...	189
11,765	18 June	Ingersoll-Rand Co. (Prellwitz)	U.S.A.	Rock drilling machine ...	423
12,012	20 July	C. A. Reed	U.S.A.	Railroad ties	491
	1907.	*19th January, 1909.*			
9813	19 Sept.	H. J. Wallace	W.A.	Ore filter	594
9916	4 Oct.	A. Harper	S.A.	Road excavator	458
10,476	16 Dec.	H. Aldenhoven ...	S.A.	Treating clay &c. for gold...	811
	1908.				
10,972	4 Mar.	W. R. Wilson	S.A.	Adjustable ticket holder ...	393
	1907.	*20th January, 1909.*			
9825	20 Sept.	P. G. Aylmer	N.S.W.	Music leaf turner ...	709

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
9795	18 Sept.	E. J. Restorck	Vic.	Mattress	580
9810	19 Sept.	R. A. Thompson ...	W.A.	Cushion capped boot soles...	594
9816	19 Sept.	A. P. Langman ...	N.S.W.	Needle threader	37

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1901.

11,451. "Improved means for securing fencing wires and wire netting to standards and droppers and wire netting to fencing wires."

Assignment of the whole *by* Fredrick Walter PAGE *to*

THE PAGE-HIPSLEY IMPROVED DROPPER COMPANY LIMITED. Dated 27th Aug., 1908. Registered 19th Jan., 1909.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Assignments Registered.

1900.

17,090. "Improvements in carving machines."

Assignment of the whole *by* Henry Marles and George Weller Butt *to*

The Australasian Marbut Carving Company Proprietary Limited. Dated 7th Oct., 1907. Registered 19th Jan., 1909.

1901.

18,133. "Improvements in and relating to up-draught cowls."

Assignment of the whole *by* William Charles Tyler, as executor of Arthur Iorwerth Joseph (deceased), *to*

Hugh Winch Wormal and James Minto. Dated 1st Oct., 1908. Registered 19th Jan., 1909.

1902.

19,321. "Improved means for securing fencing wires and wire netting to standards and droppers and wire netting to fencing wires."

Assignment of the whole *by* Fredrick Walter Page *to*

The Page-Hipsley Improved Dropper Company Limited. Dated 27th Aug., 1908. Registered 19th Jan., 1909.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Assignment Registered.

1902.

6550. "Improved means for securing fencing wires and wire netting to standards and droppers and wire netting to fencing wires."

Assignment of the whole *by* Fredrick Walter Page *to*

The Page-Hipsley Improved Dropper Company Limited. Dated 27th Aug., 1908. Registered 19th Jan., 1909.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Assignment Registered.

1900.

2942. "Improvements in carving machines."

Assignment of the whole *by* HENRY MARLES and GEORGE WELLER BUTT *to*

THE AUSTRALASIAN MARBUT CARVING COMPANY PROPRIETARY LIMITED. Dated 7th Oct., 1907. Registered 19th Jan., 1909.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Assignment Registered.

1902.

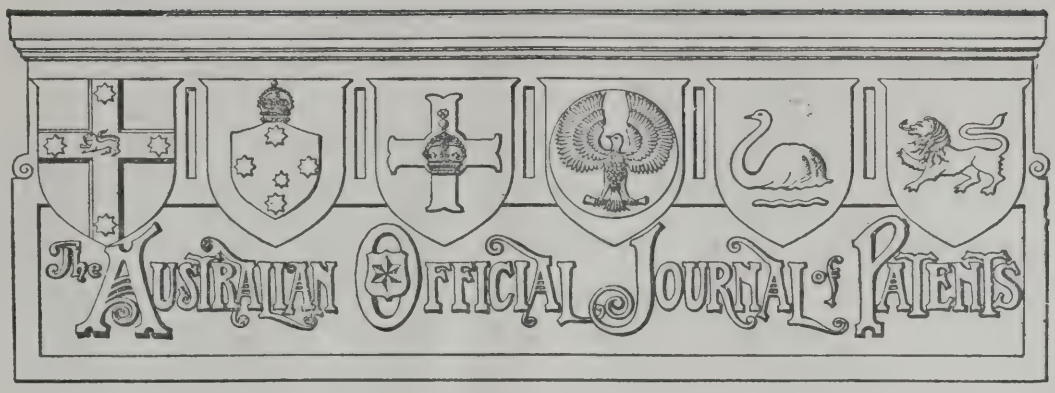
3344. "Improved means for securing fencing wires and wire netting to standards and droppers and wire netting to fencing wires."

Assignment of the whole *by* Fredrick Walter PAGE *to*

THE PAGE-HIPSLEY IMPROVED DROPPER COMPANY LIMITED. Dated 27th Aug., 1908. Registered 19th Jan., 1909.

GEORGE TOWNSEND,
Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

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This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

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The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	
,, E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages, up to Application No. 3677, 21 July.

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On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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1. On filing application for an additional patent with provisional specification	0	10	0
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or			
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5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
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19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
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21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 10.] 1909. [No. 4.

Tuesday, 2nd February.

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THE

Australian Official Journal of Patents.



Notices.

Applications Received, 13,551 to 13,628.

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C.970.

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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto Collins-street, Melbourne.

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(Removing at end of January to 497-499 Collins-street, "The Rialto"—Ground Floor.)

NOTICE IS HEREBY GIVEN that the beneficial owners of Australian Letters Patent **No. 3256,** dated the 25th of May, 1905, for **"Improvements in and connected with suspended railway vehicles,"** are prepared to satisfy any demands and all requirements of the public respecting said Invention. Offers will also be received for purchase of the Patent outright or for licences on royalty.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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VOL. 10.] 2ND FEBRUARY, 1909. [No. 4.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Subscriptions for 1909	65
Payment of Acceptance and Sealing Fees ...	65
Commonwealth—	
Applications Received	66
Provisional Specifications Accepted ...	71
Complete Specifications after Provisional ...	72
Applications (Prov.) Lapsed	73
Assignments Registered...	73
Applications Abandoned, &c.	73
Complete Specifications Accepted ..	74
Illustrated Notes	74
Specifications (Comp.) open to Public Inspection before acceptance	79
Printed Specifications Published	80
Commonwealth—*continued.*	
Letters Patent Sealed	81
New South Wales—	
Assignment Registered	83
Victoria—	
Renewal Fees Paid	83
Queensland—	
Renewal Fees Paid	83
South Australia—	
Renewal Fee Paid	83
Western Australia—	
Renewal Fee Paid	84
Tasmania—	
Renewal Fee Paid	84

NOTICES.

Subscriptions for 1909.

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The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.970.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 21st to 27th January, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 21st January.

13,551. *Prov.* John Pomeroy, Tay-street, Invercargill, N.Z., temporarily of 163 Franklin-street, Melbourne, Vic., inventor,

"Improved valve mechanism for controlling the water supply in automatic tumbler washers."

13,552. *Prov.* Henry Joseph McDonnell, Ford-street, Beechworth, Vic., school teacher,

"An improved combination receptacle for containing tobacco, and matches or the like."

13,553. *Prov.* Frederick William Newson, Meningie, S.A., saddler and harness maker,

"Improvements in riding saddles."

13,554. *Comp.* George Ryan, Glenrowan, Vic., labourer,

"An improved apparatus for straining and fastening wire in fences and the like."

13,555. *Prov.* John Malcolm, *act. inv.*, 58 Abinger-street, Richmond, Vic., mechanic, and Alfred William Jones, *assignee*, 57-61 City-road, South Melbourne, Vic., manufacturer,

"An improved glass-washing machine."

13,556. *Comp.* Dr. Nikodem Caro, 20 Meinekestrasse, Berlin, Germany, and Dr. Theodor Ewald Scheele, 23 Steinstrasse, Emmerich, Germany, chemists,

Application under Sec. 121.

[Date applied for 24th Jan., 1908, being date of application in Germany, No. 28,522/08. Application also made in Great Britain, Austria, Hungary, France, Belgium, Italy, Sweden, Norway, Denmark, Russia, Spain, Switzerland, on 9th Dec., 1908.]

"Improvements in the manufacture of ammonium phosphate."

13,557. *Comp.* Adolphus Sydney Francis, late of 155 Farringdon-road, London, Eng., engineer, but now of 13 Farringdon-road, London, Eng.,

Application under Sec. 121.

[Date applied for 7th Feb., 1908, being date of application in Great Britain, No. 2800/08.]

"Improvements in inverted incandescent gas burners."

13,558. *Comp.* David Honeywood, *act. inv.*, 120A Queens-road, Battersea, Surrey, Eng., and Garratt Payne, *assignee*, 6 Homefield-road, Chiswick, Middlesex, Eng., engineers,

"Improvements in machinery for crushing or grinding ore, rock, cement and the like."

13,559. *Prov.* Elizabeth Wyburn Flintoff, Oldstead-Greensborough, Vic., married woman,

"Improved frying pan."

13,560. *Prov.* Carl Oscar Schulze, 108 Pitt-street, Sydney, N.S.W., consulting engineer,

"Combined folding chair and bathing machine."

Applications received, 21st to 27th January—*continued.*

Friday, 22nd January.

13,561. *Prov.* William Richard Drabsch, Crystal Brook, North Guyra, N.S.W., farmer,

"Improved mode of forming the joints between two adjacent railway rails."

13,562. *Prov.* William Hicks, fitter, c/o Manfield Newton, patent attorney, Challis House, Martin-place, Sydney, N.S.W.,

"An improved press digester."

13,563. *Prov.* William Richard West, 6 Hawthorne-street, Leichhardt, N.S.W., storeman, and George Clarke Baker, 77 Foster-street, Leichhardt, N.S.W., electrical mechanic,

"The Oxford safety spring grip for lifts (hydraulic)."

13,564. *Comp.* Gustave Augustus Henry Muller, 166A Mansfield-street, Montreal, Quebec, Canada, gentleman,

"Improvements in means of exterminating insects and other vermin."

13,565. *Comp.* George Garibaldi Turri, 364-366 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* William Cyrus Briggs, *act. inv.*, Winston-Salem, North Carolina, U.S.A., manufacturer; James Reid Williams, *assignee*, Fayetteville, Cumberland, North Carolina, broker; and Heinrich Wollheim, *assignee*, 18 Voss-strasse, Berlin, Germany,

"Vending machines."

13,566. *Prov.* John Henry Morris Bilston, Church-street, Penola, S.A., saddler,

"A spider billet buckle and fastening combined."

13,567. *Prov.* Tommy Burns, The Gunyah, Darling Point, N.S.W., actor,

"An improved theatrical device."

13,568. *Comp.* Thomas Frederick Caldwell, 6 Church-street, Richmond, Vic., mechanical engineer, *assignee of* George McNeill Robb, *act. inv.*, and Harold Brandon Skertchly, *act. inv.*,

"An improved catch for windows, sliding doors and the like."

13,569. *Comp.* Eda Nesbitt, Swan Hill, Vic., married woman,

Application under Sec. 85, additional to 11,259/08.

"An improved combined shoulder-strap and garment supporter."

13,570. *Prov.* Henry Hadida, 24 Roodlane, London, Eng., merchant,

"Improvements in and relating to coin freed automatic machines."

13,571. *Prov.* William Macquarie Malone, Wandi Narrabri, N.S.W., journalist,

"Improvements in fastenings for boots, leggings gloves gaiters and the like."

13,572. *Prov.* John Henry Garratt, *act. inv.*, 66 Enmore-road, Marrickville, N.S.W., architect; Edward William Esdaile, *assignee*, Forest-road, Arncliffe, N.S.W., mathematical instrument maker; and John Henry Slater, *assignee*, 7 Thompson-street, Drummoyne, N.S.W., merchant,

"An improved building block or slab."

13,573. *Comp.* Alfred John Hill, "Pynes," Woodford Green, Essex, Eng., civil engineer, and Frederick Cyril Duncombe Mann, Hayes, Kent, Eng., engineer,

"Improvements in and relating to means for electrically igniting gas burners or lamps."

13,574. *Prov.* John Finlayson, *act. inv.*, accountant, and James George Carroll, *assignee*, agent, both of 14 Castlereagh-street, Sydney, N.S.W.,

"Improvements in means for destroying rabbits in burrows."

13,575. *Comp.* John Forster Ross, 560 King-street west, Toronto, Ontario, Canada, can manufacturer,

"Improvements in self-sealing cans."

13,576. *Prov.* Richard Augustus Bissaker, 64 Alma-street, Darlington, N.S.W.,

"An improved water-closet flushing cistern."

13,577. *Prov.* William Wiley, 18 Corunna-road, Petersham, N.S.W., miner,

"Wiley's bush exterminator."

13,578. *Comp.* Carroll Beale, engineer, and David Pelton Moore, attorney-at-law, both of 902 F-street, Washington, Columbia, U.S.A.,

Application under Sec. 121.

[Date applied for 5th Feb., being date of application in U.S.A., Serial No. 414,340/08.]

"Improvements in or relating to hydraulic turbine-valve-operating mechanisms."

Applications received, 21st to 27th January—*continued.*

13,579. *Comp.* Max Cyrus Overman, 391 West End-avenue, New York, U.S.A.,

"Improvements in resilient wheels for automobiles and other vehicles."

13,580. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers, *assignee of* Arthur Bates, *act. inv.*, Union Works, Belgrave-road, Leicester, Eng., engineer,

"Improvements in or relating to machines for dieing-out thin sheet material, such as upper leather for boots and shoes."

13,581. *Comp.* Ingersoll-Rand Company, 11 Broadway, New York, U.S.A., manufacturer, *assignee of* Max Kurth, *act. inv.*, Franklin, Venango, Penn., U.S.A., mechanical engineer,

"Improvements in variable volume fluid compressors."

13,582. *Comp.* Clarence William Coleman, Westfield, Union, New Jersey, U.S.A., engineer,

"Improvements in or relating to railway and like signalling systems."

13,583. *Comp.* Clarence William Coleman, Westfield, Union, New Jersey, U.S.A., engineer,

"Improvements in or relating to railway and like signalling systems."

Saturday, 23rd January.

13,584. *Comp.* George Garibaldi Turri, 364-466 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* International Harvester Company of America, Michigan-avenue and Harrison-street, Chicago, Cook, Ill., U.S.A., manufacturer, *assignee of* Charles Alfred Anderson Rand, *act. inv.*, Michigan-avenue and Harrison-street, Chicago, Cook., Ill., U.S.A., mechanical engineer,

"Stripper harvesters."

13,585. *Prov.* John de Lutwyche, 72 Collins-street, Hobart, Tas., engineer,

"Improvements in and connected with pumps for raising water."

13,586. *Prov.* Harry James Smith and William Smith, both of 71 Gipps-street, East Melbourne, Vic., contractors,

"Fire extinguishing life and property saving appliances."

13,587. *Prov.* George Clark, 43 Blenheim-street, Balaclava, Vic., architect,

"An improved core for hollow concrete walls."

13,588. *Prov.* George Clark, 43 Blenheim-street, Balaclava, Vic., architect,

"Improved apparatus for moulding concrete walls."

13,589. *Prov.* John Stanbridge Hopkins, 264 Smith-street, Collingwood, Vic., mechanic,

"Improvements in bedsteads."

13,590. *Comp.* Hydrocarbon Converter Company, 37 Wall-street, New York, U.S.A., manufacturer, *assignee of* Elijah B. Benham, *act. inv.*, New London, Conn., U.S.A., and Godfrey M. S. Tait, *act. inv.*, Montclair, New Jersey, U.S.A., inventors,

"Method and apparatus of vaporizing or gasifying hydrocarbon liquids."

13,591. *Comp.* Edward Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Naokichi Tanaka, *act. inv.*, 714 Mill-street, Wilkinsburg, Allegheny, Penn., U.S.A., electrical engineer; Alexander Rolland Peacock, *assignee*, Pittsburg, Allegheny, Penn., U.S.A., gentleman; and Riozo Wanibuchi, *assignee*, Pittsburg, Allegheny, Penn., U.S.A.,

"Method and apparatus for generating electric currents."

Monday, 25th January.

13,592. *Prov.* Roy Vernon, 51 Brisbane-street, North Sydney, N.S.W., engineer,

"The flying wheel disc laundry iron."

13,593. *Prov.* Arthur Reginald Angus, Barry-street, Neutral Bay, N.S.W., solicitor,

"An improved device for preventing collisions between railway trains 'O'."

13,594. *Prov.* Charles George Carter, Edinburgh-street, Flemington, Vic., driver,

"An improved feed crib box or manger for horses or cattle."

13,595. *Comp.* John George Henrich, Milton House, 5 Clifton-road, Camden-square, London, Eng., merchant,

"Improvements in valved stoppers for siphon and like bottles."

Applications received, 21st to 27th January—*continued.*

13,596. *Prov.* Emil Mesh, 28 Wright-street, Clifton Hill, Vic., poultry breeder and dealer,

"A drinking fountain for poultry birds and domestic animals."

13,597. *Comp.* Coleman Arthur Terry, 518 West 151st-street, New York, U.S.A., mechanical engineer,

"Improvements in and relating to core drilling apparatus."

13,598. *Prov.* Daniel Alfred Mintern, Coghill's Creek, *viâ* Blowhard, Vic., machinist,

"Improvements in or connected with chaff-cutting machines for the sharpening of the knives automatically."

13,599. *Prov.* Colin Erle Begg, "Rosherville," Boyle-street, Mosman, N.S.W., engineer,

"Process for the utilization of hydrogen and oxygen as an explosive mixture in internal combustion engines."

13,600. *Prov.* Thomas Warner, 381 Post Office-place, Melbourne, Vic., joiner,

"Improvements in apparatus for turning over music sheets and the like."

13,601. *Comp.* Robert Wilson, Gawler-place, Adelaide, S.A., surgical instrument maker,

"An improved veterinary castrator."

13,602. *Prov.* Albert Richard Stoneman, Plumer-street, Williamstown, Kalgoorlie, W.A., mill-hand, and Walter John Paterson, 34 Cheetham-street, Kalgoorlie, W.A., mill foreman,

"Improvements in filtering machines."

13,603. *Prov.* Albert Frederick Kent and Arthur Harry Wright, both of 69 Bourke-street, Melbourne, Vic., salvation army officers,

"A novelty musical advertising slot selling machine."

13,604. *Prov.* Francis Casey, 143 Cromwell-street, Collingwood, Vic., engineer,

"A direct-acting auto-gyral steam engine."

13,605. *Comp.* Godfrey Benington Johnson, 8 Victoria-street, Westminster, London, Eng., engineer,

Application under Sec. 121.

[Date applied for 3rd Apr., 1908, being date of application in Great Britain, No. 7432/*08*.]

"An improved machine for shearing metal sheets."

13,606. *Prov.* Edward Aland, Heidelberg-road, Ivanhoe, Vic., bootmaker, and Anthony Henry Scott, Park-street, Ivanhoe, Vic., gentleman,

"An improved boot or shoe and the like."

13,607. *Comp.* Albert Arthur Armstrong, Minto, N.S.W., bedding and mattress manufacturer,

"Improvements in reinforced wire spring bed mattresses."

Tuesday, 26th January.

13,608. *Prov.* Frank Stafford Jelbart, Eagle Foundry, Dana-street, Ballarat, Vic., engineer,

"Oil engine speed governor."

13,609. *Comp.* William Thomas Atthow, Queen and Edward streets, Brisbane, Qld., solicitor,

"Improvements in and relating to bottles and stoppers therefor."

13,610. *Comp.* James Budge, Harris-street, Pyrmont, N.S.W., engineer, and William Booth, Castlemountain, Quirindi, N.S.W., factory manager,

"Improved apparatus for cutting butter or such like into various sizes or weights as may be required."

13,611. *Prov.* William Parsons, postmaster, and Frank Hastings Wright, civil servant, both of Deniliquin, N.S.W., and William O'Callaghan, Wanganella, N.S.W., contractor,

"Improvement in celluloid collars."

13,612. *Prov.* Robert Houlden, 105 Johnston-street, Fitzroy, Vic., dealer,

Application under Sec. 85, additional to 10,680/*08*.

"An improved floor jack or cramp."

Applications received, 21st to 27th January—*continued.*

13,613. *Comp.* George Webb, Priory-street, Monmouth, Monmouthshire, Eng., motor car manufacturer,

Application under Sec. 121.

[Date applied for 18th Apr., 1908, being date of application in Great Britain, No. 8610/*08*. Application also made in Germany, No. 29,197; Austria, 2nd Dec., 1908; Hungary, 2nd Dec., 1908.]

"Improvements in or relating to detachable rims for the road wheels of vehicles."

13,614. *Comp.* William White, Railway Exchange Building, Chicago, Cook, Ill., U.S.A., engineer,

Application under Sec. 121.

[Date applied for 8th June, 1908, being date of application in U.S.A., No. 437,385/*08*.]

"Improvements in systems of washing and filling locomotive and other boilers."

13,615. *Prov.* William Henry Blake, Rushworth, Vic., labourer,

"Improvements in oil and like feed or delivery devices."

13,616. *Prov.* James Moore, "Braeside," Railway-crescent, Elsternwick, Vic., manager,

"Improvements in bag fillers for chaff, crushed grain, bran and the like."

13,617. *Prov.* Walter Levinson, 9 Beaconsfield-parade, St. Kilda, Vic., manufacturers' agent,

"An improved cigarette holder."

Wednesday, 27th January.

13,618. *Comp.* Oliver-Roche Company, 1 Madison-avenue, New York, U.S.A., manufacturer (*assignee of* John Roche, *act. inv.*, 1 Madison-avenue, New York, U.S.A., engineer, and Albert Oliver, *act. inv.*, 1296 Pacific-street, Brooklyn, New York, U.S.A., builder,

"Improved filtering apparatus."

13,619. *Comp.* Oliver-Roche Company, 1 Madison-avenue, New York, U.S.A., manufacturer, *assignee of* John Roche, *act. inv.*, 1 Madison-avenue, New York, U.S.A., engineer, and Albert Oliver, *act. inv.*, 1296 Pacific-street, Brooklyn, New York, U.S.A., builder,

"Process for purifying water and apparatus therefor."

13,620. *Comp.* Emilio De Lorenzi and Giovanni Magnasco, both of 10 Campetto, Genoa, Italy,

"Apparatus for measuring loads of ships and others."

13,621. *Comp.* Charles Hetherington, 6050 Jackson Park-avenue, Chicago, Cook, Ill., U.S.A., inventor,

"Improvements in rotary engines."

13,622. *Comp.* William Rutherford and Thomas Jackson Rutherford, *assignees of* Alfred Harry Mace, *act. inv.*,

"Improvements in ice cream freezers."

13,623. *Comp.* Sutton Bendle, Donald Innes Smith, and Thomas Bezley Houghton Thorne, all of 148 Sloane-street, London, S.W., Eng., wine merchants,

Application under Sec. 121.

[Date applied for 25th Feb., 1908, being date of application in Great Britain, No. 4231/*08*.]

"A new or improved preparation of a nourishing wine or other alcoholic fluid."

13,624. *Comp.* John Alfonzo Wesener, 103 State-street, Chicago, Cook, Ill., U.S.A., chemist,

Application under Sec. 121.

[Date applied for 14th May, 1908, being date of application in U.S.A., Serial No. 432,851/*08*.]

"Apparatus for aging and bleaching flour."

13,625. *Comp.* Todd Churchill Woodworth, Williams, Coconino, Arizona, U.S.A., mining engineer,

"A flying machine."

13,626. *Comp.* John Lampson Fate, 2839 Kenmore-avenue, Chicago, Cook, Ill., U.S.A., gentleman,

"Improvements in and connected with vacuum jacketted receptacles."

13,627. *Comp.* George E. Harrison, 1791 Vinewood-avenue, Detroit, Michigan, U.S.A., and George Burns, 1468 Twenty-fourth-street, Detroit, Michigan, U.S.A.,

"Shield for the use of linemen."

13,628. *Prov.* John Paul Carolin, 191 Collins-street, Melbourne, Vic., importer,

"An improved drain making and excavating plow."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

12,393. Thomson, W., & Mawle, H. S.
Horizontal windmill.
13,006. Cleverly, T.
13,159. Ogden, N.
13,232. Taylor, A. B.
Radial pig trough.
13,283. Tomkins, J. G. & V.
13,289. Prooyen, J. Van, Cuthbert, J., Stubbs, S. C., & Thornthwaite, O. R.
13,320. Coward, F. W., & Evans, J. V.
13,322. Tause, H.
13,325. Peach, H.
13,326. Peach, H.
13,327. Peach, H.
13,328. Miller, J., & Lowe, A. H. L.
13,331. Davies, J. B.
13,332. Atthow, W. T.
13,333. Burt, A. E.
13,334. Allen, R. W.
13,335. Dance, G.
13,337. Lee, F.
13,339. Rickard, J. E.
13,340. McKinney, W. G.
13,341. Palmer, W.
13,342. Moloney, C.
13,349. Dart-Kelly, F. W.
13,350. Cadden, E.
13,351. Dannhardt, F. H.
13,352. Mason, T. & F.
13,353. Tyree, W.
13,367. Kennedy, M.
13,368. Paddle, J. R.
13,374. Shekleton, J. H.
13,379. Un. Shoe. Mach. Co. (Ball)
13,380. Un. Shoe. Mach. Co. (Preble)
13,381. Un. Shoe Mach. Co. (Wheeler, Winkley, & Smith)
13,384. Ibbotson, Emily
13,389. Tournay-Hinde, E. E.
13,390. Gammeter, H. C.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,330. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* James Cavanagh, *act. inv.*, 50 Bicknell-street, Dorchester, Suffolk, Mass., U.S.A., inventor,

"Improvements in or relating to the preparation of insoles and in particular machines for use therein." 22nd Jan., 1909.

11,331. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Ronald Francis McFeely, *act. inv.*, 12 Columbus-avenue, Beverly, Essex, Mass., U.S.A., inventor,

"Improvements in or relating to machines for use in the manufacture of boots and shoes." 22nd Jan., 1909.

11,332. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Ronald Francis McFeely, *act. inv.*, 12 Columbus-avenue, Beverly, Essex, Mass., U.S.A., inventor,

"Improvements in or relating to machines for use in the manufacture of boots and shoes." 22nd Jan., 1909.

11,334. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Arthur Bates, *act. inv.*, Union Works, Belgrave-road, Leicester, Eng., engineer,

"Improvements in or relating to machines for use in the manufacture of boots and shoes." 22nd Jan., 1909.

11,335. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* George Goddu, *act. inv.*, Chestnut-street, Winchester, Middlesex, Mass., U.S.A., inventor,

"Improvements in or relating to machines for inserting fasteners or the like." 22nd Jan., 1909.

11,355. Richard Selden Reed, 109 Barkly-street south, Ballarat East, Vic., mechanical engineer,

"Improvements in harvesters for potatoes or the like." 25th Jan., 1909.

11,356. Francis Ernest Cliff, 27 Blackwood-street, North Melbourne, Vic., manufacturer,

"Improvements in the feeding of chaff cutters." 25th Jan., 1909.

11,387. John Andrew Millar, Wellington, N.Z., Cabinet Minister,

"An improved rowlock." 21st Jan., 1909.

11,434. Benjamin Trewhella, *assignee*, and William Trewhella, *act. inv.*, trading as "Trewhella Bros.", Trentham, Vic., engineers and ironworkers,

"An improved shackle coupling for ropes." 21st Jan., 1909.

11,595. Michael Higgins, Mercer, Auckland, N.Z., engineer,

"Improved apparatus for detecting and signalling escape of air in air brakes." 21st Jan., 1909.

12,128. George William Berry, 601 Mount Alexander-road, Moonee Ponds, Vic., mechanic,

"Improvements in closets." 26th Jan., 1909.

13,053. Aille Douglas, 113 Victoria-avenue, Albert Park, Vic., draper,

"An improved shirt with blouse attachment." 27th Jan., 1909.

13,102. Engelbert Schwer, 154 Enmore-road, Enmore, N.S.W., master plumber,

"An improvement in the construction of sheet metal baths." 21st Jan., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,102. Davis, H. R. & W. H. R.
11,107. McKeon, W. J.
11,108. Annett, T.
11,112. Shearer, J. A.
11,113. Coleman, G.
11,114. Monk, A. F.
11,119. Hemeter, Anna M.
11,120. Nelson, A. M.
11,121. Austin, G. B. H.
11,124. Watson, C. W.
11,127. McBride, T. J.
11,128. Bailey, G. H., & Bound, W.
11,130. Dow, G.
11,136. Little, D.
11,137. Edgar, G., & Watson, J.
11,141. Mangnall, J.
11,145. Mousley, G. & G. W.
11,147. Melville-Hamilton, Augusta M.
11,149. Burckhardt, C. H., & Schmidt, L.

Assignments Registered.

1907.

9412. "An improved mechanism for driving sheep shearing machines."

Assignment of one-half of the two-thirds of Paul Boll's interest *by* Paul Boll *to*

Ralph Sadleir Falkiner. Dated 15th Jan., 1908. Registered 25th Jan., 1909.

1908.

10,647. "An improved universal joint or coupling specially for use in sheep shearing machine."

Assignment of one-half of the two-thirds of Paul Boll's interest *by* Paul Boll *to*

Ralph Sadleir Falkiner. Dated 15th Jan., 1908. Registered 25th Jan., 1909.

10,647. "An improved universal joint or coupling specially for use in sheep shearing machine."

Assignment of whole of Paul Boll's interest *by* Paul Boll *to*

Ralph Sadleir Falkiner. Dated 29th Sept., 1908. Registered 25th Jan., 1909.

Applications Abandoned, Withdrawn, &c.

1907.

9686. (*Abandoned.*) James Grant Glass, 123 Gilmore-place, Edinburgh, Mid Lothian, Scot., chemist,

Application under Sec. 121.

[Date applied for 14th Nov., 1906, being date of application in Great Britain, No. 25,659/06.]

"A new or improved inside sole for boots, shoes, and the like."

1908.

10,733. *C.a.P.* (*Withdrawn.*) John Osmond, Jung Jung, Vic., hotelkeeper,

"An improved cooling attachment for vessels and other articles."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,670.	Gibson.	10,897.	Johnson.	11,106.	Bosch.	12,195.	Kingsbury.
10,673.	Favard.	10,943.	Gerard.	11,748.	Temple.	12,459.	Haag.
10,702.	Allinson.	11,012.	Sanderson.	11,763.	Liebert.	12,529.	Trevellian.
10,869.	Pilkington.	11,051.	Trewhella.	11,854.	Whelan.	12,735.	Stephenson.
10,890.	Corbett.	11,055.	Bradford.	11,899.	Auhl.	12,860.	Stephenson.
		11,086.	Usher.	12,077.	Baker.	12,860.	Stephenson.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

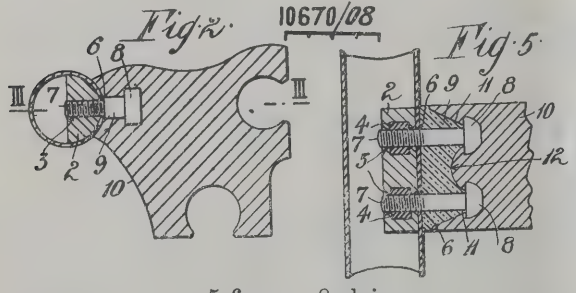
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patent Act 1906, or by other circumstances, the particulars are stated.

1908.

10,670. 18 Jan. The Austral Manufg. Co. Prop. Ltd. (R. Gibson, Vic.).

Classes 45.2; 70.2.

Bedsteads: Bracket cast on to bolts screwed into bedpost either with or without distance piece **9**.



5 figures, 8 claims.

10,673. 20 Jan. G. Favard, France.

Classes 62.7; 79.3.

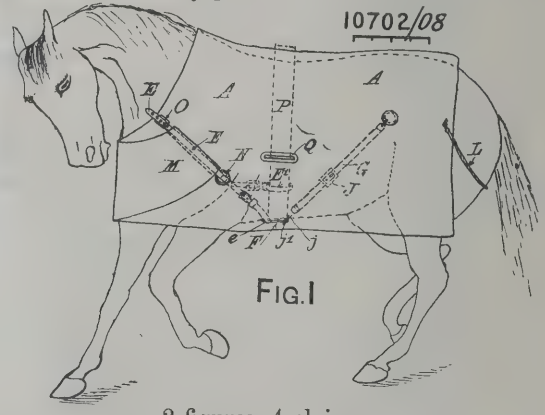
An adhesive coating for pulleys is composed of silicate of potash or soda and dextrine. Yellow ochre is used to assist in incorporating the dextrine in the silicate.

No drawing, 2 claims.

10,702. 23 Jan. Hill, Dickinson and Magill Ltd. (A. Allinson, N. S. Wales).

Class 39.5.

Rug for horses, cattle, dogs, cats, &c.: The longer breast flap is secured by a strap **E** through the channel in its end, and the two diagonal straps **C** hitched in place by snap hooks to the belly pad **F**.



2 figures, 4 claims.

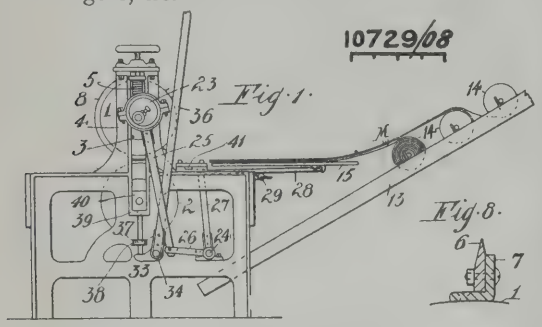
10,729. 28 Jan. R. J. Brunt, J. Burns, and P. V. Sharp, N.Z.

Class 43.1.

Machine for cutting textile material to pattern. Pair of adjustable rollers, upper one

Complete Specifications Accepted—*continued.*

provided with cutting blades, for cutting several thicknesses of material simultaneously; feed gear, &c.

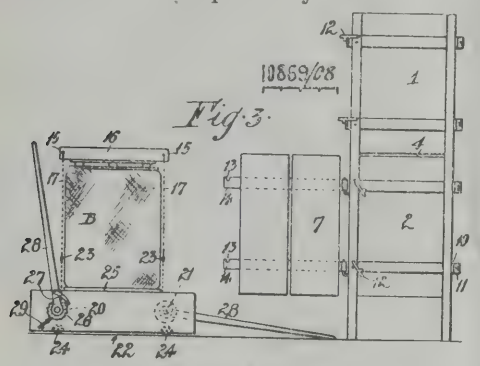


9 figures, 12 claims.

10,869. 19 Feb. W. H. Pilkington, Vic.

Class 57.3.

Wool or skin baling press: Slotted boxes reinforced with bands, removable monkey plate connected to lever capstans by chains.



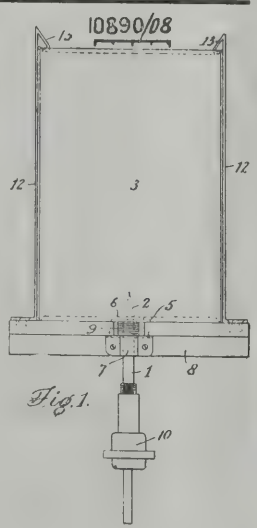
4 figures, 4 claims.

10,890. 22 Feb. J. W. Corbett, Vic.

Class 22.4.

Vertical screw-up tap with piercing point and packed flanges for use below kerosene tins, on a bracket with clamps, &c.

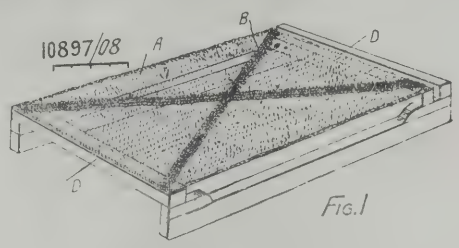
5 figures, 3 claims.



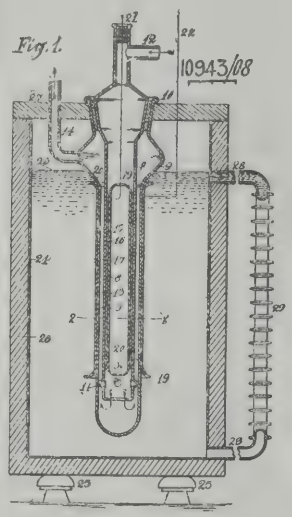
10,897. 24 Feb. G. Johnson, N.S.W.

Class 46.1.

Woven wire mattress reinforced by diagonal bands interlaced by hand into the wire fabric and fastened to the transome bars.



2 figures, 2 claims.



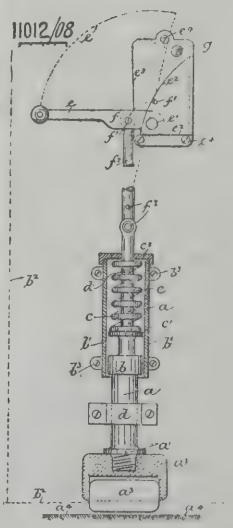
10,943. 28 Feb. L. Gerard, Belgium.

Sec. 121. Belgium, 199,414/07. 19 April, 1907.

Class 07.9.

Oil-cooled concentric electrodes diverging at ends.

7 figures, 14 claims.



11,012. 10 Mar. W. P. Sanderson, W.A.

Class 78.8.

Door stop: Vertical spring bolt, padded foot lifted by link and fly-over handle.

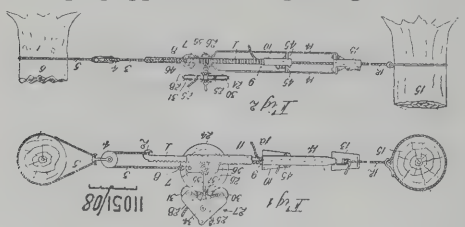
1 figure, 1 claim.

Complete Specifications Accepted- *continued.*

11,051. 16 Mar. B. Trewhella and W. Trewhella, Vic.

Classes 30.2 ; 59.1.

Hauling jacks: Pulley, rockable lever, automatic rope gripper, toothed gearing and rack.



6 figures, 10 claims.

11,055. 16 Mar. R. Bradford, N.S.W.

Class 39.6.

Metal shaft tug loop, inwardly projecting flanges embrace inner lining.

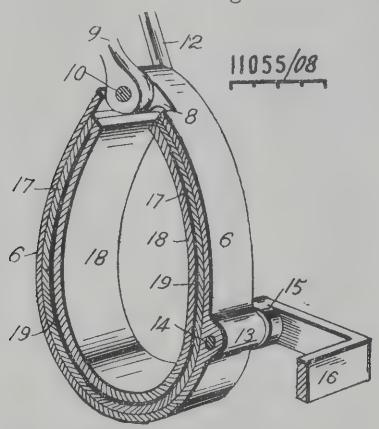


Fig.2.

5 figures, 5 claims.

11,106. 21 Mar. J. A. Bosch, Victoria.

Classes 41.9 ; 81.4; 88.4.

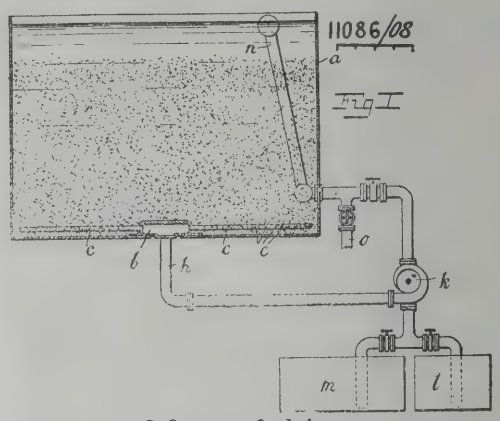
Water- and fire-proof material: Saturating hessian in a bath of alum, drying same, coating with tar and sand, and washing with a mixture consisting of glue, lime, alum, salt, and sugar.

No drawing, 2 claims.

11,086. 18 Mar. Adair-Usher Process Limited (C. E. D. Usher, Transvaal, S.Af.).

Classes 14.4; 14.7.

Forcing leach liquor upwards through sands or concentrates in an up current continuous circulation leaching and decanting vat.

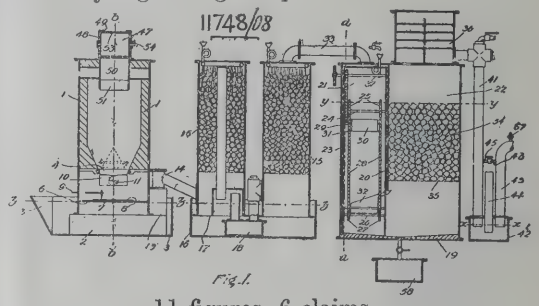


3 figures, 6 claims.

11,748. 17 June. E. Temple, N.S.W.

Classes 16.30; 21.2; 21.5.

Gas producer: Purifier for fuel gas; fuel gas plant; rotating lock hopper; coke scrubber; chain bucket for submerging the gas and automatically regulating the pressure.

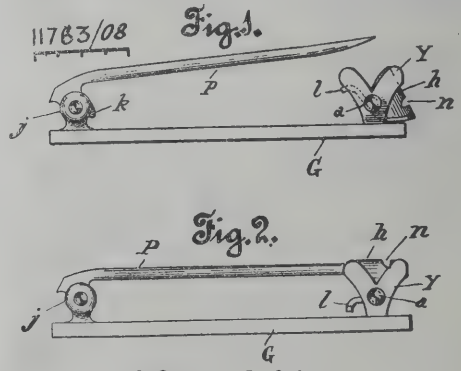


11 figures, 6 claims.

11,763. 18 June. E. Liebert, Cal., U.S.A. Sec. 121. U.S. America, 897,470, 20 June, 1907.

Class 43.9.

Safety catch for jewellery: Bonnet pivotally secured in bearings for locking and guarding pin.



9 figures, 3 claims.

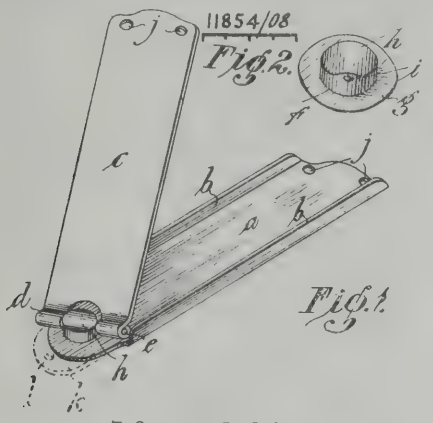
Complete Specifications Accepted—*continued.*

11,854. 29 June. W. J. Whelan, Vic.

Sec. 85, additional to 1917/*04*, 7 Nov., 1904.

Class 54.3.

Reversible label hinged and pivoted to base plate through stud or button.

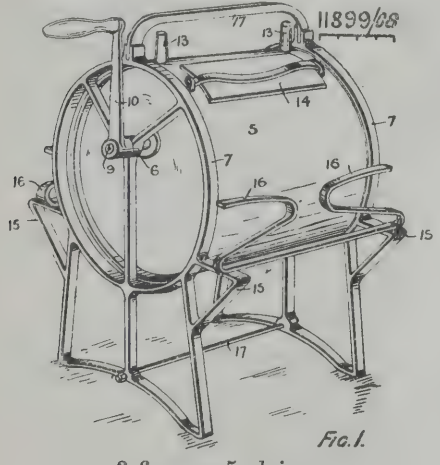


7 figures, 3 claims.

11,899. 3 July. H. Auhl, N. S. Wales.

Class 25.2.

Washing barrel on eccentric trunnions: Internal ribs; projection on barrel bumps extended springs, causing reciprocating motion.

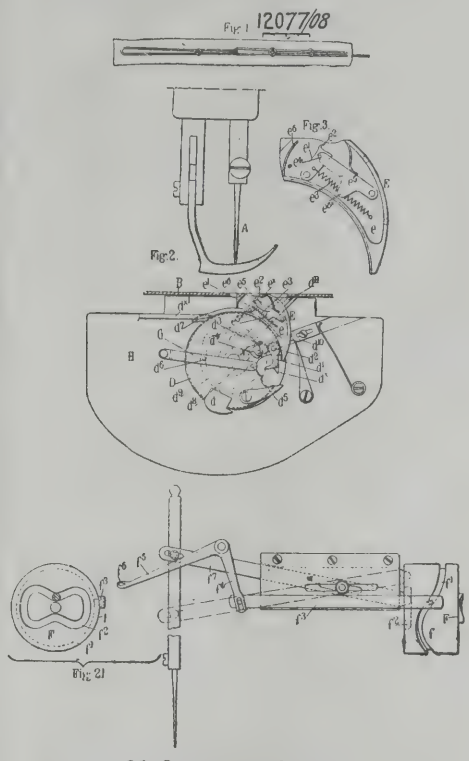


3 figures, 5 claims.

12,077. 27 July. F. Baker and L. Jacobs, England.

Class 42.3.

Single thread lock stitch sewing machine: Loop forming tension device and needle synchronizing attachment.

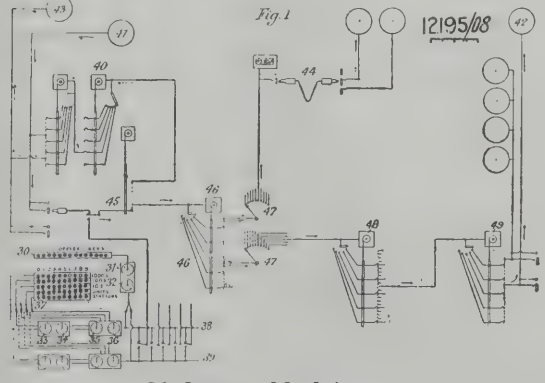


21 figures, 5 claims.

12,195. 10 Aug. J. E. Kingsbury, Eng.

Class 05.8.

Semi-automatic manually supervised selectors performing switching operations and controlling branch exchange selectors and indicators.



30 figures, 30 claims.

Complete Specifications Accepted—*continued.*

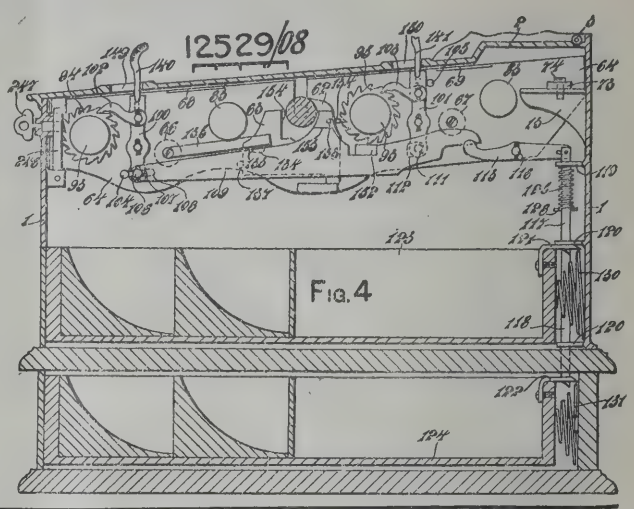
12,529. 17 Sept. F. H. Trevellian, New Zealand.

Class 55.5.

Duplex cash register: Two cash drawers, **123, 124,** independently operated by cranked keys **140, 141,** sets of webs **27, 28,** and carbon paper **30** for invoice entries; web **28** is torn off for customer, and carbon copy **27,** after being exposed under glass window **40,** is wound on roller **42.** Summarized entries by each operator made on webs passing under openings **97, 98,** respectively.

Simplex register on same plan shown in Figs. 7 and 8.

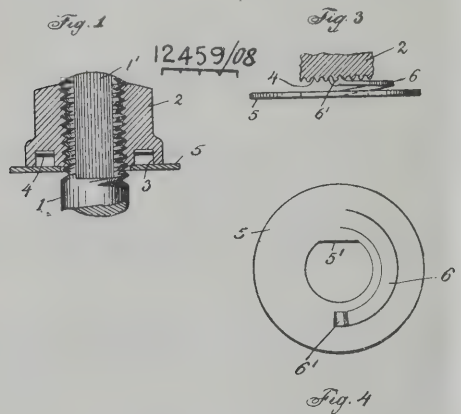
20 figures, 16 claims.



12,459. 9 Sept. E. Phillips (— Haag, United States of America).

Class 78.4.

The bolt has its threaded end flattened on one side, the nut has an annular toothed groove, the washer is tongued and adapted to engage the teeth (Fig. 3).

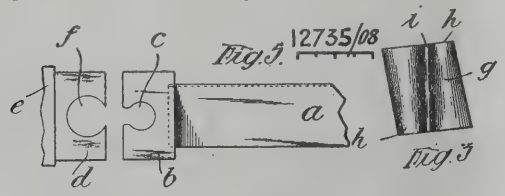


5 figures, 2 claims.

12,735. 10 Oct. J. F. Stephenson, Vic.

Class 45.2.

Removable plug or dovetail **g** having dividing web **i** for bedstead joints.

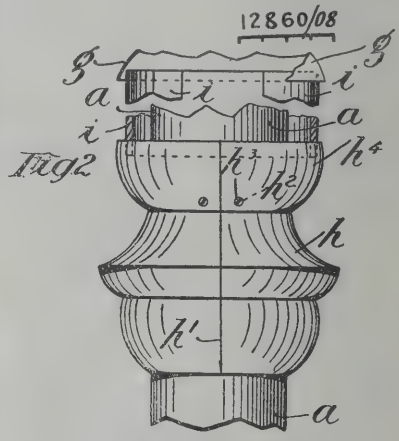


5 figures, 2 claims.

12,860. 26 Oct. J. F. Stephenson, Vic.

Class 45.2.

Bedstead mounts: Attaching same between foot and side rails; mounts **h** split and held by screws **h3.**



3 figures, 3 claims.

Complete Specifications open to Public Inspection before Acceptance.

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

12,752. Thomas Gustave PLANT, Hotel Somerset, Commonwealth-avenue, Boston, Suffolk, Mass, U.S.A., manufacturer,

Application under Sec. 121.

[Date applied for 29th Jan., 1908, being date of application in U.S.A., Serial No. 413,159/*08*.]

"Improvements in or relating to sewing machines."

13,090. Cornelius MURNANE, 259 Mt. Alexander-road, Ascot Vale, Vic., manufacturer,

Application under Sec. 121.

[Date applied for 29th Jan., 1908, being date of application in N.Z., No. 23,940/*08*.]

"Improvements in wind mills."

13,202. William Frederick LAUTENSCHLAGER, 461 Crestline-avenue, Cincinnati, Hamilton, Ohio, U.S.A., machinist,

Application under Sec. 121.

[Date applied for 27th Jan., 1908, being date of application in U.S.A., Serial No. 412,840/*08*.]

"Cement applying machines."

13,392. William Henry BIRD, 30 Stapleton-road, Stroud Green, London, Eng., late of 452 Chester-road, Manchester, Lancashire, Eng., boot manufacturer,

Application under Sec. 121.

[Date applied for 30th Jan., 1908, being date of application in Great Britain, No. 2100/*08*.]

"Improvements in or relating to pneumatic tyres."

1909.

13,556. Dr. Nikodem CARO, 20 Meinekestrasse, Berlin, Germany, and Dr. Theodor Ewald SCHEELE, 23 Steinstrasse, Emmerich, Germany, chemists,

Application under Sec. 121.

[Date applied for 24th Jan., 1908, being date of application in Germany, No. 28,522/*08*. Application also made in Great Britain, Austria, Hungary, France, Belgium, Italy, Sweden, Norway, Denmark, Russia, Spain, Switzerland, on 9th Dec., 1908.]

"Improvements in the manufacture of ammonium phosphate."

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 40, comprising Applications numbered from 5000 to 7999 are now complete with title pages, &c.

Vols. 41 to 45 comprise Applications from 8000 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4761. United Shoe Machinery Co. (Wolfe). *Rough-rounding and channelling machines.* Class 44.5.

4762. United Shoe Machinery Co. (Ambler). *Inserting fastenings.* Class 44.5.

4764. J. Sands (Ross). *Treating sewage.* Class 86.7.

4765. A. Griffith (Townsend). *Securing doors, windows, &c.* Classes 77.1; 78.7; 78.8.

4772. Gresham and Gray. *Pneumatic knee ring.* Classes 25.5; 97.80.

4774. H. Unkenstein. *Cycle saddle pillar.* Class 94.3.

4775. Carter and Paterson (Kinsella). *Parcel strap.* Class 57.8.

4776. C. F. Dunn (Davies). *Screw for corrugated iron.* Class 78.1.

4777. Murphy and Manning. *Pneumatic tyres.* Class 97.89.

4779. R. Hodgkins. *Can lids.* Class 36.2.

4781. P. A. Kenna. *Tobacco pipe.* Class 33.5.

1907.

7800 to 7999. Vol. 40. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—7800, 7803-4, 7821, 7823-4, 7828-33, 7837, 7846, 7859-67, 7882-5, 7932-6, 7956-61, 7977-81, 7986-8, 7995-9.

8917. Richards and James. *Fire box grate floor.* Classes 16.8; 24.2.

8933. C. Jost. *Hot air engines, &c.* Classes 64.7; 90.9.

8943. J. R. Woodman. *Agitating attachment for sprayers.* Classes 68.9; 74.9.

9190. H. E. McDonald. *Cleansing animal skins.* Classes 47.2; 60.7; 62.7.

9223. The Linotype Co. Ltd. (Lock and Others). *Linotype machines.* Class 50.5.

9281. C. Murnane. *Wool press.* Classes 57.3; 60.2.

9361. Sarah Campbell and J. S. Gribbon. *Broom, &c., handle connections.* Class 25.8.

9430. J. T. Elmes. *Lamb tail cutting, &c.* Classes 37.1; 87.4.

9442. H. W. Gittins. *Sealing bottles, &c.* Class 57.5.

9586. J. Florey (Walkerden). *Boot heels.* Class 44.3.

1908.

10,611. F. Livingstone. *Cattle food.* Class 34.2.

10,680. R. Houlden. *Floor jack.* Class 80.3.

10,817. Auto-Hydraulic Ltd. (Hodder). *Water elevators.* Classes 68.5; 74.8.

10,838. E. Moss. *Stamping and franking letters.* Classes 54.3; 56.2.

Printed Specifications Published—*continued.*

1908.

10,847. R. F. Marsh. *Spring mattress.* Class 46.1.
10,873. R. H. Quine. *Baths and stands.* Classes 45.5; 86.1; 87.2.
10,881. W. Watts. *Ticket issuing cabinet.* Class 54.2.
10,894. A. Taylor (Rowe). *Sun blinds.* Class 45.7.
10,930. The American Box Ball Co. (Talbert). *Game apparatus.* Class 53.2.
10,957. W. Bennet. *Renewable boot soles.* Class 44.3.
10,990. L. Bruckmann. *Soldered cord.* Classes 58.7; 73.6.
10,992. D. Marzi. *Loud speaking telephone.* Classes 05.2; 05.6; 05.7
11,001. W. F. Offord. *Trusses.* Class 87.4.
11,007. W. Hartley. *Vapour incandescent lamps.* Classes 23.3; 23.5.
11,028. H. Turner. *Pumps.* Class 69.4.
11,036. J. Allard. *Flower-pot saucers.* Classes 19.4; 31.4.
11,038. N. A. Booth. *Sash fasteners.* Classes 77.3; 78.7.
11,067. H. L. McCoy. *Colander.* Class 76.8.
11,105. F. Baker. *Vehicle wheels.* Classes 93.5; 97.81; 97.83; 97.89.
11,134. N. L. Heinz. *Recuperative furnaces.* Classes 16.2; 17.1; 17.3.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*21st January, 1909.*			
9929	7 Oct.	F. F. Church (Gillespie)...	U.S.A.	Voting machines	631
	1908.				
11,481	14 May	W. J. Coplestone ...	Eng.	Railways	338
11,637	2 June	C. A. Parsons & A. H. Law	Eng.	Dynamo electric machinery	372
11,737	16 June	W. Shearer	Scot.	Carbureters	409
11,821	24 June	J. Snodgrass	S. Af.	Cyanides, &c.	426
	1907.	*23rd January, 1909.*			
9861	25 Sept.	J. Wilson	N.Z.	Letter file	597
10,225	13 Nov.	J. D. Scouler	Vic.	Road vehicle brake ...	510
10,355	2 Dec.	J. Fergusson	N.S.W.	Hydro-carbon gas ...	600

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*23rd January, 1909*—continued.			
10,700	22 Jan.	L. A. Martha	France	Internal combustion engines	36
	1907.				
11,126	*29 Mar.	E. E. Molas and W. Delafon	France	Generating gas	204
	1908.				
11,380	29 Apr.	W. H. Palmer	Norway	Explosives	629
11,657	4 June	M. O. Phillips ...	Tas.	Disc harrow attachments ...	390
11,914	7 July	M. A. J. Roux ...	France	Nickel extraction... ...	455
12,042	22 July	M. G. Newbould ...	N.Z.	Alternating current cut-off...	493
	1907.	*25th January, 1909.*			
9848	24 Sept.	S. C. and H. C. Tress (Wright & Childs)	Eng.	Hats	596
9853	24 Sept.	F. J. Spence	S.A.	Cement composition ...	135
10,166	6 Nov.	W. J. Macartney, R. Buck, and E. E. Bould	Vic.	Clothes prop	543
	1908.				
10,680	20 Jan.	R. Houlden	Vic.	Floor cramp	174
10,860	18 Feb.	W. Hooker	Vic.	Electrical battery ...	111
11,815	24 June	B. & S. A. Caudle and A. Anderson	N.S.W.	Cutting, &c., butter blocks	426
	1907.	*26th January, 1909.*			
9863	26 Sept.	E. E. P. M. Blanc & P. A. Caton.	France	Illuminating gas	614
9868	26 Sept.	A. Knox	N.S.W.	Opening, &c., windows ...	614
9924	5 Oct.	A. E. Jones	Vic.	Washing acetylene gas ...	427
	1908.				
11,920	8 July	F. Wright	Eng.	Hats	456
11,991	16 July	F. O. Wolff & J. Kearns	Vic.	Pneumatic tyre indicator ...	490

* Date granted under Sec. 121.

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1903.

13,710. "Improvements in or relating to channel flap laying machines."

Assignment of the whole *by* John Benjamin Hadaway *to*

United Shoe Machinery Company. Dated 24th Nov., 1908. Registered 23rd Jan., 1909.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to–
18,973 ...	Lamson Store Service Co. Ltd.	14th Feb., 1916
19,005 ...	Mander, C. T., B. H., & N. H.	26th Feb., 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
5888 ...	McKenzie & Holland Ltd.	11th Feb., 1915
5903 ...	Campbell, J. H. & C. H.	22nd Feb., 1915

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fee Paid.

1902.

No.	Name.	Paid up to–
7519/5572 ...	Francis, A. A. ...	11th Feb., 1916

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
3785 ...	Rand Drill Co. ...	18th Mar., 1916

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

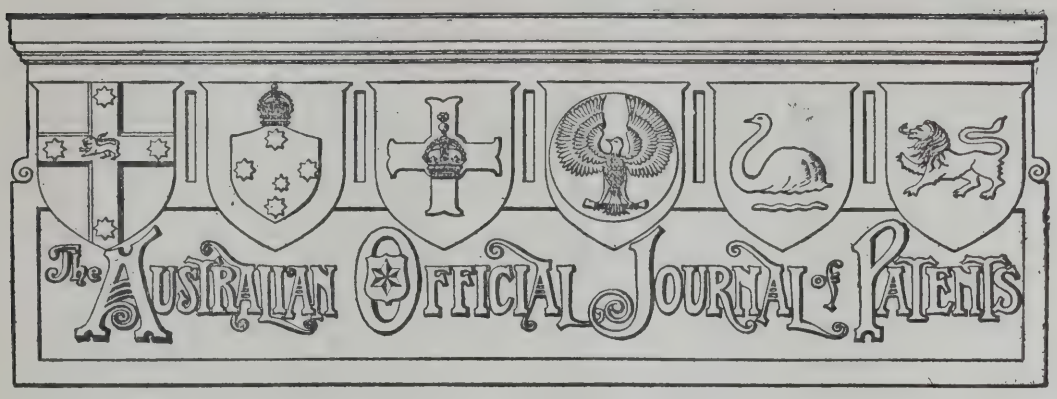
Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
3304 ...	Francis, A. A. ...	15th Feb., 1916

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	
,, E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages, up to Application No. 3677, 21 July.

Patents Act 1903.—First Schedule.—Fees.

As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
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22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 10.] 1909. [No. 5.
(WITH SUPPLEMENT).

Tuesday, 9th February.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE Australian Official Journal of Patents.



Notice.

Applications Received, 13,629 to 13,668.

Commonwealth Proceedings.

States Proceedings.

Supplement—Monthly Indexes, January, 1909.

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C.1288.

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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto Collins-street, Melbourne.

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NOTICE IS HEREBY GIVEN that the registered proprietors of Australian Letters Patent **No. 8045,** dated the 20th day of February, 1907, for

"IMPROVEMENTS IN LINOTYPE MACHINES"

are prepared to satisfy any demands and all requirements of the public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the beneficial owners of Australian Letters Patent **No. 3256,** dated the 25th of May, 1905, for **"Improvements in and connected with suspended railway vehicles,"** are prepared to satisfy any demands and all requirements of the public respecting said Invention. Offers will also be received for purchase of the Patent outright or for licences on royalty.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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NOTICE TO INVENTORS. The security and value of a Patent depends on the manner in which the SPECIFICATIONS, CLAIMS and DRAWINGS have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some inventors imagine they can save money by preparing their own Specifications, &c. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & HASSEL,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

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Their Address is 163 KING STREET, SYDNEY, and NO. 9 QUEEN STREET, MELBOURNE.

Griffith & Hassel.

MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

CORNER OF KING & PITT STREETS, SYDNEY.

(20 years' professional experience.)

Australian Official Journal of Patents.

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The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 10.] 9TH FEBRUARY, 1909. [No. 5.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Qualifying Examination for Patent Attorneys	85
Commonwealth—	
Applications Received	86
Provisional Specifications Accepted ...	89
Complete Specifications after Provisional ...	89
Applications (Prov.) Lapsed	90
Assignments Registered...	91
Applications Abandoned, &c.	91
Complete Specifications Accepted ..	92
Illustrated Notes	92
Commonwealth—*continued.*	
Specifications open to Public Inspection before acceptance	96
Printed Specifications Published	97
Letters Patent Sealed	99
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed ...	99
Queensland—	
Renewal Fees Paid	100
South Australia—	
Renewal Fees Paid	100

NOTICE.

Qualifying Examination for Patent Attorneys.

It is hereby notified that the February Examination of Candidates for registration as Patent Attorneys will be held on 22nd and 23rd February, 1909, the Time Table for the Examination being as follows:—

Day.	Hour.	Subject.
Monday, 22nd February, 1909	10 a.m.	Patent and Trade Marks Law of the Commonwealth, and the Practice of the Patent Office.
	2 p.m.	The preparation of a Provisional and Complete Specification to be attached to an Application for any kind of invention named by the Board.
Tuesday, 23rd February, 1909	10 a.m.	Patent and Trade Marks Case Law. (Inclusive of the decisions of the High Court of Australia.)
	2 p.m.	The Patent and Trade Marks Law and Practice of England and other countries.

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

C.1288.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 28th January to 3rd February, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 28th January.

13,629. Emile Nicolas Joseph Germeau, Jumet, Belgium, engineer, and Albert Nicolas Ghislain Bouton, 39 rue du Président, Ixelles-Bruxelles, Belgium,

Application under Sec. 121.

[Date applied for 21st Apr., 1908, being date of application in Belgium, No. 207,422/08. Application also made in Great Britain, 1st May, 1908, No. 9496/08.]

"Improvements in or relating to boiler seatings."

13,630. *Prov.* Max Mederer, Bloemfontein, Orange River Colony, S.Af., manufacturer,

"Improved cooling chamber."

13,631. *Comp.* United Centadrink Manufacturing Company, 1440 Broadway, New York, U.S.A., manufacturer, *assignee of* Henri Pein, *act. inv.*, 1440 Broadway, New York, U.S.A., mechanic,

"Improvement in automatic carbonating and vending apparatus."

13,632. *Prov.* George Montague Bowser, Harcourt-street, Valley, Brisbane, Qld., contractor,

"Improved method of treating all descriptions of stone for building roads and other purposes."

13,633. *Prov.* John Walter Wallace, 69 Engine-street, Sydney, N.S.W., engineer,

"Improvements in apparatus for pumping air under low pressure."

13,634. *Prov.* Frederick William Wallace, Post Office, Benalla, Vic., saddler, *assignee of* Charles John Wallace, *act. inv.*, Post Office, Swanpool, Vic., grazier,

"An improved instrument for removing animals' tails."

Friday, 29th January.

13,635. *Comp.* Harold Albert Rice, 40-42 Lombard-street, Toronto, York, Ontario, Canada, inventor,

"Improvements in or relating to hydro carbon lamps."

13,636. *Comp.* John Francis Stephen Kirby, Belarra, Collarenebri East, N.S.W., contractor and grazier,

"An improved drain excavator, earth leveller and firebreak cutter."

13,637. *Prov.* Walter Whitlock, 22 High-street, Waverley, N.S.W., bricklayer,

"An improved tie for use in the construction of hollow or cavity brick walls."

13,638. *Prov.* Arthur Pask, 66 Longmore-street, Middle Park, Vic., salesman,

"A new or improved table-game apparatus."

13,639. *Prov.* Henry Dick, 98 Powlett-street, East Melbourne, Vic., accountant,

"Nailable brick."

13,640. *Prov.* Richard Terence Kelly, Town Hall, Richmond, Vic., city surveyor,

"An improved apparatus to disinfect the water used in flushing cisterns and such like."

Applications received, 28th January to 3rd February—*continued.*

13,641. *Prov.* Henry Moon, care of Monteath Brothers, Subiaco, W.A.,

"Removable holdfast or spring clip for securing the wire mattress to its bedstead."

13,642. *Comp.* Reece Williams, Rowley-street, Albany, W.A., engineer,

"Improved rotary engine."

13,643. *Prov.* Thomas Searell, 38 St. John-street, Launceston, Tas., architect,

"The bushman's gridiron."

13,644. *Prov.* Ernest Edward Nesbit, Broken Hill, N.S.W., agent,

"Improvement in jam tins and fruit tins."

13,645. *Prov.* W. P. Smith Nicolson and Co. Proprietary Limited, Market Buildings, 507 Flinders-street, Melbourne, Vic., merchant, *assignee of* William Bradley, *act. inv.*, 182 Williams-road, Hawksburn, Vic., acetylene gas engineer,

"Improvements in acetylene generators."

13,646. *Prov.* Henry Leopold Godsil, caterer, care of Edward Waters and Sons, 414-418 Collins-street, Melbourne, Vic.,

"An improved apparatus for automatically washing or rinsing tumblers and other hollow utensils."

13,647. *Prov.* Henry Edwin McDonald, 263-269 Kent-street, Sydney, N.S.W., merchant,

"Improved means for reducing skin friction on the hulls of vessels."

13,648. *Comp.* Harry Robert Gerrie, 104 Stanley-street, Montreal, Quebec, Canada, cashier, and Walter Pender, 1233 Notre Dame-street, Montreal, Quebec, Canada, machinist,

"Tobacco leaf stripping machines."

Saturday, 30th January.

13,649. *Prov.* William Henry Morish, Avoca, Vic., farmer,

"Improved mode of and apparatus for branding animals."

13,650. *Prov.* William Henry Morish, Avoca, Vic., farmer,

"An improved dropper for wire fences."

13,651. *Prov.* William Henry Morish, Avoca, Vic., farmer,

"Improved method of and apparatus for dipping sheep."

13,652. *Prov.* James Eldred, care of Edward Waters and Sons, 414-418 Collins-street, Melbourne, Vic.,

"Process for increasing the efficiency of illuminating oils."

13,653. *Comp.* Robert Adams, Emerald-street, Theobalds-road, London, Eng., engineer,

"Improvements in self-cleansing filters for domestic water supply."

Monday, 1st February.

Public Holiday.

Tuesday, 2nd February.

13,654. *Prov.* Peter Edward Swan, labourer, and Charles Francis Leonard Bristol, grocer, Numurkah Post-office, Vic.,

"A collapsible horse race starting machine."

13,655. *Comp.* Rothes McKain Meek, and Otto Breedon Elliott, both of the Auckland Fire Brigade, Auckland, N.Z., firemen,

"A new game for billiard tables."

13,656. *Prov.* Nils Adolf Larson, manufacturer, care of Edward Waters and Sons, patent attorneys, 7 Moore-street, Sydney, N.S.W.,

"Improvements in elastic wheels."

13,657. *Comp.* International Typewriter Company, 134 Monroe-street, Chicago, Ill., U.S.A., *assignee of* Charles Sparrow Nickerson, *act. inv.*, president,

"Improvements in typewriting machines."

13,658. *Prov.* Sydney George Germein, Port Vincent, S.A., farmer,

"Improvements in spring draught gear for stump jump agricultural implements."

Applications received, 28th January to 3rd February—*continued.*

13,659. *Prov.* John Harry Pickering, Beaudesert, Qld., mechanical engineer,

"The Pickering differential eccentric."

13,660. *Prov.* The Eclipse Printing Company Limited, 150 Clarence-street, Sydney, N.S.W., manufacturer, *nominee of* Norton Joseph Neave, *act. inv.*, Dural-road, Hornsby, N.S.W., secretary,

"Improvements in counter sales check books."

13,661. *Prov.* The Eclipse Printing Company Limited, 150 Clarence-street, Sydney, N.S.W., manufacturer, *nominee of* Norton Joseph Neave, *act. inv.*, Dural-road, Hornsby, N.S.W., secretary,

"Improved counter sales check book."

13,662. *Prov.* Ferdinand Heinrich Dannhardt, Brooks-street, Albert Park, Vic., mechanical engineer, at present of Mildura, Vic.,

"Improvements in or relating to collapsible or folding portable closets and other buildings."

13,663. *Comp.* Albert Bodycomb, 26 Doveton-street, Ballarat, Vic., engineer,

"Improvements in and relating to machines for the saving and recovery of fine gold and pyrites."

13,664. *Comp.* William Job Howcroft, Granville-street, West End, Brisbane, Qld., pattern maker,

"Improvements in blast furnaces for extracting the iron from the ore."

Wednesday, 3rd February.

13,665. *Comp.* J. D. Riedel Aktiengesellschaft, 12/13 Gerichtstrasse, Berlin, Germany, manufacturer, *assignee of* Dr. Robert Gans, *act. inv.*, Pankow, near Berlin, Germany,

"Process for the extraction of gold from auriferous solutions and liquids."

13,666. Alfred Arthur Lockwood, chemist, and Marcus Reginald Anthony Samuel, merchant, both of 12 Minories, London, Eng.,

Application under Sec. 121.

[Date applied for 19th Mar., 1908, being date of application in Great Britain, No. 6148/*08*.]

"Improvements relating to the treatment of ores."

13,667. *Comp.* Alfred Arthur Lockwood, chemist, and Marcus Reginald Anthony Samuel, merchant, both of 12 Minories, London, Eng.,

"Improvements relating to the treatment of ores or the like."

13,668. *Prov.* Ella Dunn, 114 Auburn-road, Auburn, Vic., lady,

"Heat concentrator for gas stoves."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,416. Cunningham, P.
13,419. Williams, W. R.
13,420. Smith, F.

1909.

13,422. Green, G. W.
13,427. Geake, W. H. G.
Improved twin-front fashion shirt.
13,428. Boyce, E.
13,429. Behr, H. C.
13,432. Northey, S., & Bell, A. L.
13,433. Bruning, B. D.
13,435. Tippett, H. H.
13,441. Lee, E.
13,444. Ramshaw, H. J.
13,445. Parry, E.
13,448. Bourke, P.
13,450. McKenzie, W. (Watt)
13,451. McKenzie W. (Watt)
13,452. McKenzie, W. (Watt)
13,453. Aspinall, H. W.
13,454. Jones, E.
13,457. Gilliam, A. A., & Howie, T.
13,459. Cosgrove, P. D.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,170. Franklin Holmes Verity Haselwood, Maroona, Warra, Qld., farmer,

"An improved apparatus for sinking post holes." 30th Jan., 1909.

11,193. John Taylor, Lang-road, Ivanhoe, Vic., chemist and manufacturer,

"A mechanical device for displaying advertisements and the like." 3rd Feb., 1909.

11,374. Leslie Robert Sundercombe, "Barrabool," Adelaide-terrace, Perth, W.A., ship's officer,

"Improvements in flash signal apparatus." 28th Jan., 1909.

11,396. Frederick Thomas Burnett, 12 Castlereagh-street, Sydney, N.S.W., manufacturer,

"An improved water pipe." 29th Jan., 1909.

11,402. Frederick Charles Denham, 71 Windsor-street, Paddington, N.S.W., fitter and turner,

"Improvements in spring frames for motor cycles." 2nd Feb., 1909.

11,414. William Watts, Amherst-road, West Midland, W.A., foreman,

"Bifurcated railway dog spike and wedge therefor." 29th Jan., 1909.

11,422. William Beaton Sangster, 151 Arden-street, North Melbourne, Vic., blacksmith,

"Improvements in the drop hammer apparatus used for forging or driving materials." 3rd Feb., 1909.

11,460. George Edward Kinnear, 62 Mary-street, Sydney, N.S.W., civil engineer,

"Timber pipe." 3rd Feb., 1909.

Complete Specifications lodged after Provisional Specifications—*continued.*

11,494. Percy John Gargett, Crows Nest, Qld., postmaster,

"Improved method and apparatus for cleaning the bottom and sides of ships without docking." 2nd Feb., 1909.

11,561. Mary Prichard Bassett, and Edward Prichard Bassett, solicitor, City Bank Chambers, 164 Pitt-street, Sydney, N.S.W.,

"A ball roller for furniture." 29th Jan., 1909.

12,654. Robert Monteith, "Wakool," Foley-street, Kew, Vic., furniture salesman,

"Adjustable lavatory basin." 2nd Feb., 1909.

12,967. William Martin Hughes, and John Walter Wallace, both of 69 Engine-street, Sydney, N.S.W., engineers,

"Improvements in apparatus for producing carburetted air gas." 28th Jan., 1909.

12,968. William Martin Hughes, and John Walter Wallace, both of 69 Engine-street, Sydney, N.S.W., engineers,

"Carburettor for internal combustion engines." 28th Jan., 1909.

13,182. James William Boultbee, magistrate, and Moreton Colyer, consulting engineer, both of Imperial Chambers, 16 O'Connell-street, Sydney, N.S.W.,

"Improvements in reproducers and adjustable working arm for talking machines." 28th Jan., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,150. Ferry, S.
11,151. McRae, M. McK.
11,152. Dietz, A. R.
11,153. Menzies, J.
11,157. Wearne, J. & R.
11,160. Burrows, Louisa S. J.
11,163. Sands, J. (Woolnough)
11,165. Innis, R. J.
11,166, Innis, R. J.
11,167. Charlwood, A.
11,169. Courtis, H. B.
11,171. Mintern, D. A.
11,172. McDonald, J. A.
11,176. Mulder, T. T.
11,180. Richardson, W. H.
11,181. Fleming, T. & J. J., & MacKenzie, M. K. & N. H.
11,182. Vandenberg, J. M.
11,184. Gardner, C. H.
11,187. Sim, W.
11,189. Bird, F. C.
11,190. Paulo, G.
11,192. Jones, F. J.
11,194. Dow, G.
11,195. Munt, F. W.
11,199. Jones, E.

Assignments Registered.

1907.

7914. "Machine for manufacturing or pressing cement and sand and the like into blocks of various shapes and sizes."

Assignment of the whole of Richard Frank Tunley's interest *to*

Thomas Johnson and Richard Frank Johnson. Dated 5th Oct, 1908. Registered 28th Jan., 1909.

8999. "An improved method of advertising."

Assignment of the whole for the State of New South Wales *by* Albert Jacob Bert *to*

Billiards Limited. Dated 22nd Jan., 1909. Registered 28th Jan., 1909.

9214. "Improvements in linotype machines for making improved displayed advertisement linotypes and repeat linotypes and in the said displayed advertisement linotypes."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9215. "Improvements in and connected with printing music typographically."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9216. "Improvements in wipers for use in linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9217. "Improvements in the moulds and casting mechanism of linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9219. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9220. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9221. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9222. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

9223. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited, in liquidation, and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

Applications Abandoned, Withdrawn, &c.

1908.

13,332. *Prov.* (*Abandoned.*) William Thomas Atthow, Queen and Edward streets, Brisbane, Qld., solicitor,

"An improved bottle stopper."

1909.

13,644. *Prov.* (*Withdrawn.*) Ernest Edward Nesbit, Broken Hill, N.S.W., agent,

"Improvement in jam tins and fruit tins."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,830. Willson.
11,002. Baker.
11,146. Pilcher.
11,302. de Sers.
11,845. Hills.
11,876. Gordon.
11,965. Rann.
11,975. Spoendlin.
12,033. Thomas.
12,362. Arbuckle.
12,446. Foust.
12,464. Taylor.
12,467. Prellwitz.
12,557. Hutchinson.
12,729. Scott.
12,757. Johnson.
12,804. Styles.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patent Act 1906, or by other circumstances, the particulars are stated.

1908.

10,830. 12 Feb. W. H. J. Willson, Vic.

Class 34.6.

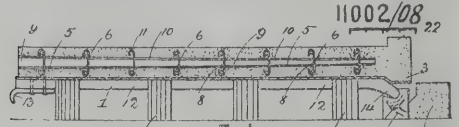
Malt bread containing emulsified olive oil, sugar, &c.

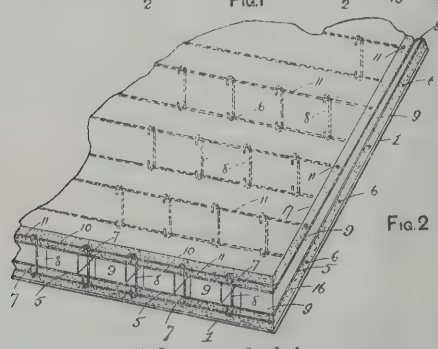
No drawing, 2 claims.

11,002. 9 Mar. F. Baker, Victoria.

Classes 81.2; 81.5.

Hollow concrete wall formed on platform between timber mould reinforced as shown and raised bodily on foundations when set.



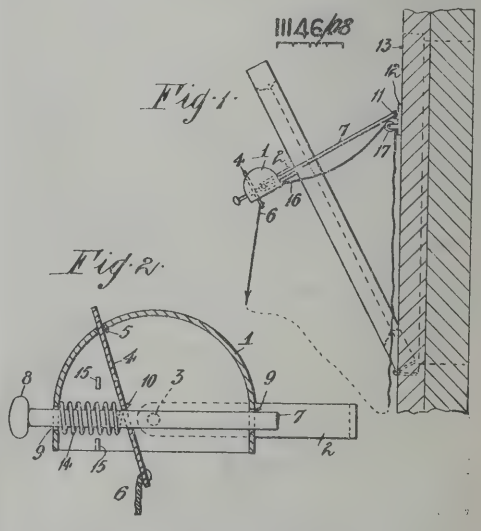


5 figures, 6 claims.

11,146. 26 Mar. N. G. Pilcher, New South Wales.

Class 78.7.

Fanlight opener. Clutch box **1**, sliding on rod **7**, with clutch plate **4** controlled by spring **14** and operated by cord **6**. One modification.



3 figures, 5 claims.

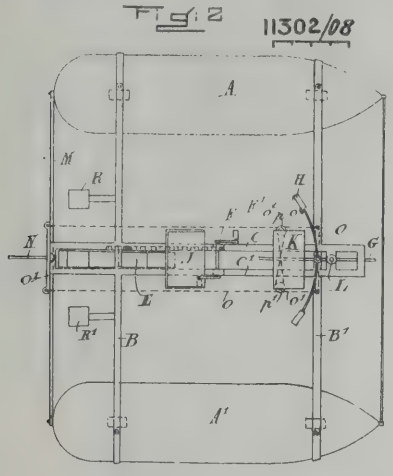
Complete Specifications Accepted—*continued.*

11,302. 22 Apr. P. M. de Sers, N.S.W.

Sec. 7. N.S.W., 13,702, 23 Nov., 1903.

Classes 92.6; 92.8.

Bicycle-gear driven paddle wheel **E**, and paddle steering wheel **C** longitudinally arranged between two pontoons **A**, **A**[1].

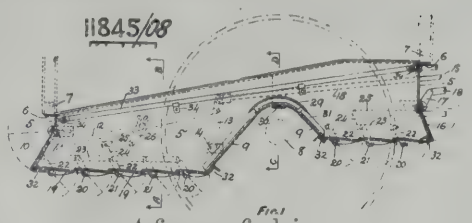


4 figures, 5 claims.

11,845. 29 June. J. L. Hills, W. Aust.

Class 16.8.

The ashpan for locomotives consists of a series of transverse doors placed in échelon and which can be turned from a horizontal to a vertical position by means of levers.



4 figures, 6 claims.

11,876. 1 July. G. R. Gordon and O. F. Gordon, Tasmania.

Sec. 85. Additional to 7492/*06*, 1 Dec., 1906.

Class 31.7.

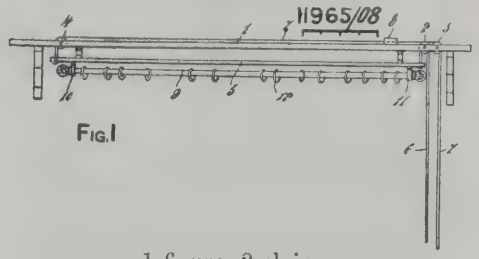
Fish manure made by disintegration (if necessary), cooking, draining, drying.

No drawing, 3 claims.

11,965. 13 July. A. R. Rann and H. Collins, New Zealand.

Class 46.6.

Window curtains: Raising and operating head board, pulleys, crosspiece and pole.



1 figure, 2 claims.

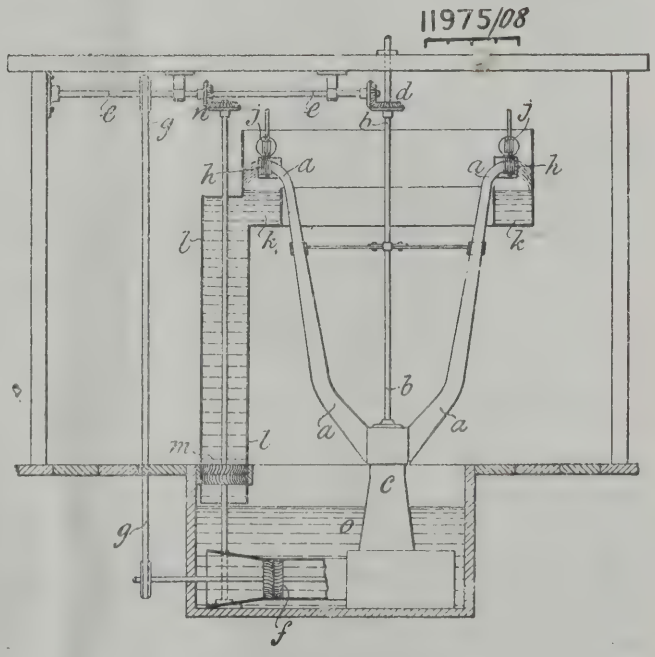
11,975. 14 July. R. Spoendlin, Switzerland.

Sec. 121. Switzerland, 46,202. 25 July, 1907.

Classes 62.1; 69.6.

Centrifugal pump and motor: Diverging pumping pipes **A** fixed to shaft **B** are rotated by turbines **M** and **F**; the turbines are actuated by the suction and return of the water pumped. Surplus power may be used for other purposes.

1 figure, 4 claims.

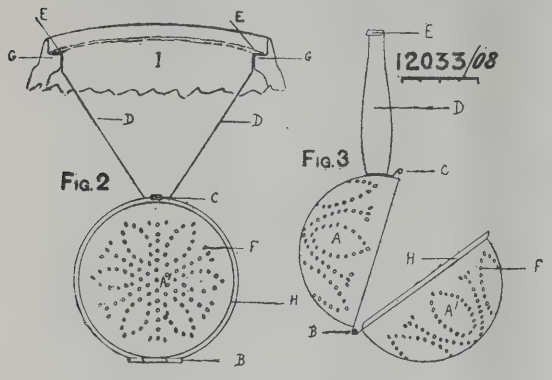


Complete Specifications Accepted—*continued.*

12,033. 22 July. A. E. Thomas, Victoria.

Class 24.7.

Hinged perforated hemispherical metal cups suspended from rim of tea pot by spring clips.

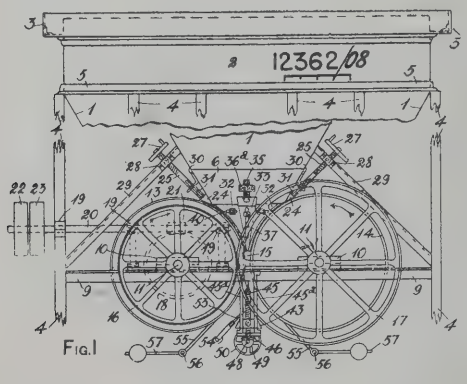


4 figures, 1 claim.

12,362. 2 Sept. A. J. Arbuckle and A. Osborne, Transvaal, S. Af.

Class 12.1.

Continuous discharge of settling vats, outflow controlled by two oppositely moving cylinders.

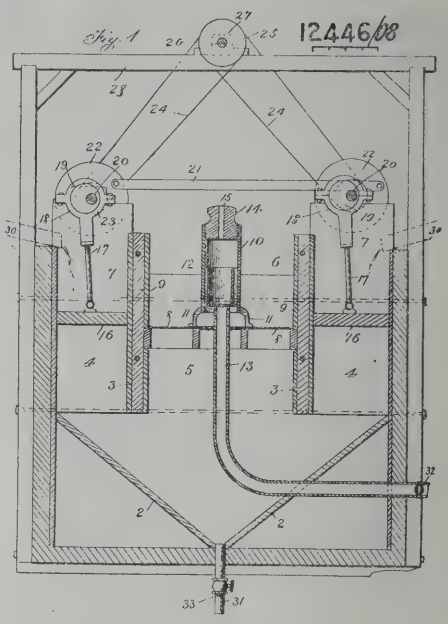


10 figures, 8 claims.

12,446. 9 Sept. H. W. Foust, United States of America.

Class 12.2.

Double piston jig; central delivery valve lifted by thick deposit.

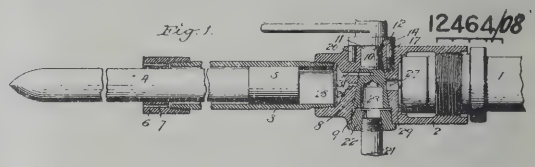


2 figures, 3 claims.

12,464. Ingersoll-Rand Company (A. H. Taylor, U.S.A.)

Class 85.4.

Hammer drill combined air pressure feed and column. Automatically locked control valve.

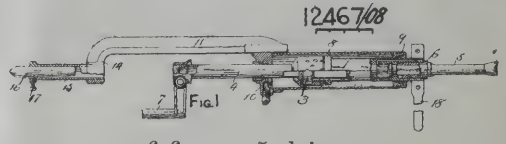


11 figures, 5 claims.

12,467. 9 Sept. Ingersoll-Rand Co. (W. Prellwitz, Penn., United States of America.

Class 85.8.

Combined casing and brace for supporting pneumatic hammer tools.



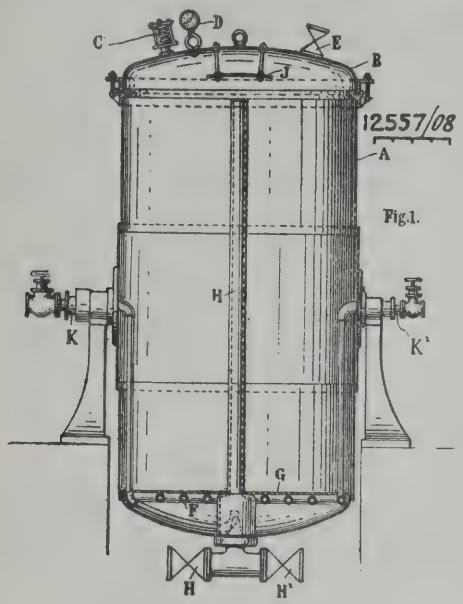
6 figures, 5 claims.

Complete Specifications Accepted—*continued.*

12,557. 21 Sept. T. J. Hutchinson, Eng.

Class 24.5.

Vertical "vomiting" digester with steam heating coil, mounted on steam admission trunnions.



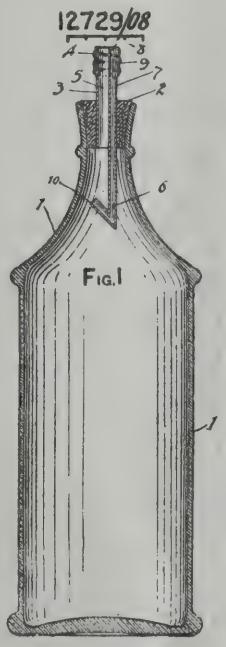
4 figures, 4 claims.

12,729. 10 Oct. H. G. Scott, New York, U. S. America.

Classes 27.7; 57.5.

Screw cap stopper having air inlet tube **6** with closed upper end and open reflex end **10**; liquid dispensed through tube **5** controlled by operator's finger on vent hole **9**.

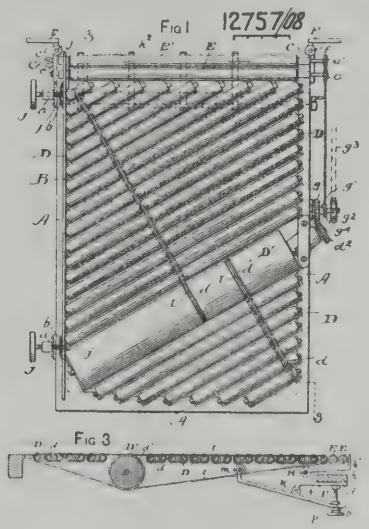
4 figures, 13 claims.



12,757. 12 Oct. O. W. Johnson, Ohio, United States of America.

Class 48.3.

Printing press: Paper feed rolls mounted obliquely to a guide plate **B** and rotated by cords as shown on Fig. 3 with the object of leading and compelling the paper to keep to its side lay.

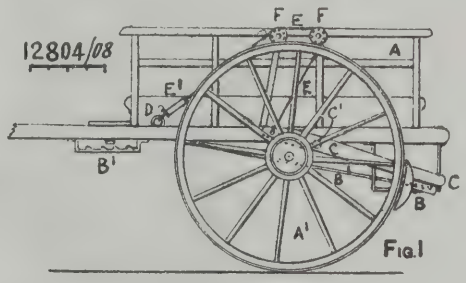


5 figures, 6 claims.

12,804. 19 Oct. A. E. Styles, N.Z.

Class 93.3.

Reducing vibration and taking shocks off horse's back in dray brakes by connecting them to shafts by cords running over pulleys.



2 figures, 2 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

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Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

12,324. Sydney Aston Mersey ROSE, 633, 641 Church-street, Richmond, Vic., electrical engineer,

Application under Sec. 21.

[Date applied for 6th Feb., 1908, being date of application in Great Britain, No. 2708/*08*.]

"Improvements in or relating to recording targets."

12,753. Thomas Gustave PLANT, Hotel Somerset, Commonwealth-avenue, Boston, Suffolk, Mass., U.S.A., manufacturer,

Application under Sec. 121.

[Date applied for 4th Feb., 1908, being date of application in U.S.A., Serial No. 414,161/*08*.]

"Improvements in or relating to sole sewing machines."

13,269. Abraham WYNBERG, Heerengracht 567, Amsterdam, Holland, technological teacher,

Application under Sec. 121.

[Date applied for 3rd Feb., 1908, being date of application in U.S.A., Serial Nos. 414,012 and 414,013.]

"Improvements in the treatment of sugar cane and sugar cane waste and the manufacture of useful products therefrom."

1909.

13,557. Adolphus Sydney FRANCIS, late of 155 Farringdon-road, London, Eng., engineer, but now of 13 Farringdon-road, London, Eng.,

Application under Sec. 121.

[Date applied for 7th Feb., 1908, being date of application in Great Britain, No. 2800/*08*.]

"Improvements in inverted incandescent gas burners."

13,578. Carroll BEALE, engineer, and David Pelton MOORE, attorney-at-law, both of 902 F-street, Washington, Columbia, U.S.A.,

Application under Sec. 121.

[Date applied for 5th Feb., 1908, being date of application in U.S.A., Serial No. 414,340/*08*.]

"Improvements in or relating to hydraulic turbine-valve-operating mechanisms."

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 40, comprising Applications numbered from 5000 to 7999, are now complete with title pages, &c.

Vols. 41 to 45 comprise Applications from 8000 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4745. L. Nissim. *Lamp.* Class 22.2.

4746. Cuthbert and Lee. *Pea sheller.* Class 34.1.

4748. F. W. Schmetzer. *Sewing needle.* Class 42.1.

4749. L. Siegenberg. *Incandescent gas burners.* Class 22.5.

4750. A. P. Crabb. *Metal receptacles.* Class 57.5

4756. A. O. Sachse (Mills). *Phonographs and picture exhibiting machines.* Classes 01.7; 04.7; 53.4; 55.7; 62.1.

4757. W. H. Russell. *Roller bearings.* Classes 60.8; 93.3.

4758. The Gell Telegraphic Appliances Synd. Ltd. (Gell). *Telegraphic transmitter.* Classes 05.2; 05.4.

4759. United Shoe Machinery Co. (Bond). *Lasting machines.* Class 44.5.

4760. United Shoe Machinery Co. (Meyer). *Sewing machines.* Classes 42.7; 44.5.

4766-71. Void applications.

1907.

8134. G. Kyme. *Transposing music, &c.* Class 01.9.

8918-9, 8921-3, 9075, 9120, 9124, 9189, 9282-4. Void applications.

9358. J. Searle. *Indicating moisture in wool.* Classes 37.6; 56.5; 56.8.

9362-6, 9394-8. Void applications.

9427. United Shoe Machinery Co. (Mayo and Winkley). *Sole pressing machines.* Class 44.5.

9429. Dixon and Lawrence. *Washing drinking utensils.* Classes 25.5; 54.7.

9539, 9612. Void applications.

9671. The Konomax Rock Drill Synd. Ltd. (Mauss). *Rock drill.* Classes 65.9; 85.4.

9763. J. P. Murray. *Moistening stamps, &c.* Classes 31.4; 50.7; 54.3.

9854. Annie M. Ponninghaus. *Heating liquids.* Classes 24.5; 81.6.

10,113. G. L. Porter. *Footwear.* Classes 44.3; 53.0.

10,378. R. O. Clark. *Building blocks.* Classes 19.1; 81.5.

10,470-4. Void applications.

1908.

10,842. British Automatic Aerators Ltd. (Pearce). *Aerating machine.* Classes 27.3; 27.5.

10,848-50, 10,882-4. Void applications.

10,912. T. W. Brown. *Bottle labelling.* Class 57.4.

Printed Specifications Published—*continued.*

1908.

10,933. W. Wass and The Trades Unionists Sheep Shear Co-Operative Society Ltd. *Sheep shearing machines.* Class 37.6.

10,956. G. P. Innes. *Carbureter air valves.* Classes 66.5; 66.7; 95.3.

10,973. E. N. Waters (North). *Printing machines.* Classes 50.8; 61.5.

10,975. J. Hutchings. *Rock drills.* Classes 62.8; 67.1; 85.6; 85.9.

10,986. Esther Murray. *Vehicle wheels.* Class 97.6.

10,989. F. d'Or. *Turning bridges.* Classes 60.3; 65.1; 81.7.

11,008-11. Void applications.

11,019. H. Lee. *Rotary engine.* Classes 00.2; 66.2; 66.7, 67.7.

11,026. J. Armstrong. *Coke and ovens.* Classes 16.2; 16.8; 17.1; 17.3; 19.1; 20.2.

11,033. F. C. Thompson. *Blind bracket.* Classes 46.6; 78.7; 78.9.

11,070. V. M. Beebe. *Tie.* Class 43.6.

11,072. T. L. Mullally. *Covering for hay, &c.* Classes 32.7; 81.3.

11,073. R. Hoe (Sheldon). *Sheet piling.* Classes 48.3; 50.8.

11,074. R. Hoe (Sheldon). *Inking devices.* Classes 50.1; 50.8.

11,079. C. F. Chapman. *Cutting shaped glass sections.* Classes 75.3; 75.7.

11,084. C. Jost. *Cooking stoves, &c.* Classes 24.2; 24.5; 64.7.

11,088. P. H. Constantine and Others. *Spinning, &c., of yarns.* Classes 40.7; 60.5.

11,091. E. Dredge. *Trousers stretcher.* Class 43.1.

11,097. S., C. T., and A. H. Holmes. *Wire mattress.* Classes 45.2; 46.1.

11,103. W. H. Maher. *Catching rabbits.* Class 38.6.

11,104. D. P. Mitchell (Diggles). *Ore-pass.* Classes 59.8; 85.1.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*28th January, 1909.*			
9948	8 Oct.	S. O. Cowper-Coles ...	Eng.	Electro-deposition of iron ...	632
10,494	19 Dec.	E. H. Trotman ...	S.A.	Fertilizer from waste ...	826
10,699	*1 Feb.	R. Cramp	Eng.	Turbines	36
	1908.				
11,116	23 Mar.	J. L. Muller & J. Rousset	France	Cinematographic plates ...	203
11,409	4 May	D. A. Quiggin	Eng.	Steam condenser	303
11,632	1 June	E. N. Waters (Rennie) ...	Canada	Typographic assemblers ...	372
11,685	10 June	C. Tinker	Eng.	Packing wool, &c. ...	392
11,913	7 July	Radiogen Gesellschaft mit beschrankter Haftung (Loewenthal)	Germany	Radio-active masses ...	455
	1907.				
12,027	*16 Aug.	H. A. Humphrey ...	Eng.	Raising, &c., liquids ...	492
	1908.				
12,196	10 Aug.	K. H. Wimmer ...	Germany	Coffee without caffeine ...	540
	1907.	*2nd February, 1909.*			
9899	2 Oct.	N. Ceipek	Austria	Safety explosive ...	616
	1906.	*3rd February, 1909.*			
9910	*19 Oct.	S. G. Brown	Eng.	Submarine cable telegraphy	630

* Date granted under Sec. 121.

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
8134	28 Feb.	G. Kyme	Vic.	Transposing music, &c. ...	122
8393	4 Apr.	A. Fischer	S.A.	Cooking and baking ...	191
8394	4 Apr.	A. Fischer	S.A.	Atmospheric gasburner ...	191
8419	6 Apr.	W. Parsons and W. H. Shelswell	N.S.W.	Acetylene gas generator and holder	192
9881	30 Sept.	Great Yoghee Nitibur Ld. (Campbell)	Qld.	Cane grub destroyer, &c. ...	615

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
5866	Sloane, T. W., & Noakes, G.	28th Jan., 1910
5904	General Manifold Co.	22nd Feb., 1915
5905	General Manifold Co.	22nd Feb., 1915
5906	General Manifold Co.	22nd Feb., 1915
5907	Hill, E. R.	22nd Feb., 1915

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

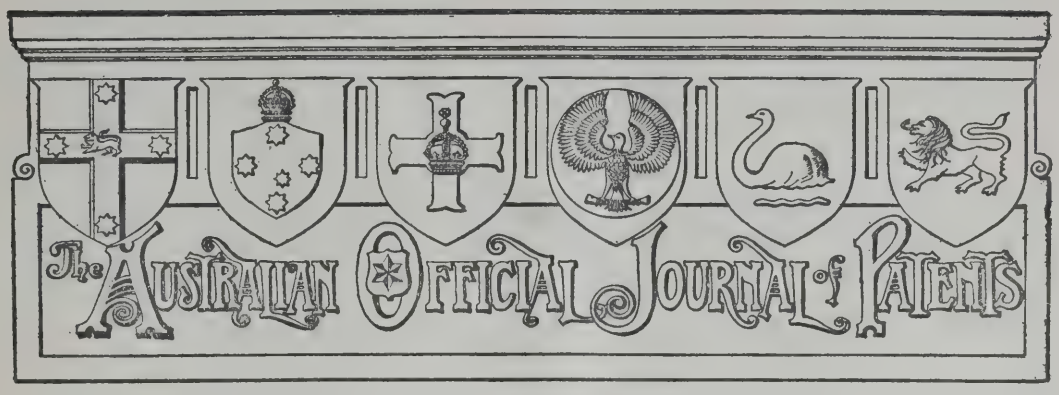
Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7497/5555	Plummer, I. A.	28th Jan., 1916
7511/5568	Dunn, G. H.	5th Feb., 1916

GEORGE TOWNSEND,
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SUPPLEMENT ISSUED WITH JOURNAL No. 5, 9TH FEBRUARY, 1909.

MONTHLY INDEXES.

JANUARY, 1909.

INDEX TO NAMES OF PERSONS
IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER
IN SPECIFICATIONS LODGED.

DESCRIPTIVE SUBJECT INDEX
TO SPECIFICATIONS OPENED TO INSPECTION.

APPLICATIONS FOR 1908 COMMENCE WITH 10,581.
APPLICATIONS FOR JANUARY, 1909, Nos. 13,422 TO 13,653.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

JANUARY, 1909.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee, opponent, licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification ; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Adams, R.	Domestic filters	13,653
Aland, E.	Boot or shoe	P. 13,606
Anderson, A. E.	Waggon jack	11,100
Angus, A. R.	Preventing railway collisions ...	P. 13,593
Anschau, J.	Sanitary urinal	P. 13,495
Armstrong, A. A.	Wire mattresses	13,607
,, E. J. (*assignee*)	Hanging window curtains ...	7818
Arnold, O.	Speaking dolls, &c.	13,438
Aspinall, H. W.	Fountain pen	P. 13,453
Attlow, W. T.	Bottles & stoppers	13,609
Baird, A. L.	Displaying advertisements ...	P. 13,493
Baker, A. H.	Pictorial advertising	P. 13,447
,, C.	Handling slag pots	P. 13,494
,, G. C.	Grip for lifts	P. 13,563
Ball, H.	Shear comb dresser	P. 13,508
Ballarat Trustees & Agency Co. Ltd. (Sporn)	Stripper teeth	13,449
Bates, A.	Dieing-out machines	P. 13,580
Beale, C.	Hydraulic mechanisms ...	13,578
Beddie, P.	Water filter	13,547
Bedford, A. J.	Automatic lighting	11,278
,, A. J.	Automatic lighting	12,791
Begg, C. E.	Explosive mixture	P. 13,599
Behr, H. C.	Actuating stamp	P. 13,429
Bell, A. L.	Pliers	P. 13,432
Bendle, S.	Wine	13,623
Benham, E. B.	Gasifying hydrocarbons ...	13,590
Bennett, T. O.	Sheep shears	P. 13,514

Name.	Subject.	Number.
Berkel, W. A. Van	Meat slicers	13,465
Beswicke, H. A.	Franking, &c., machine ...	11,186
Billington, H. G. R.	Acetylene lamp	P. 13,423
Bilston, J. H. M.	Buckle, &c.	P. 13,566
Binney, R. H.	Fertilizer	12,510
Binnie, A.	Swingle bars, &c.	P. 13,477
Bissaker, R. A.	Flushing cistern	P. 13,576
Blake, W. H.	Oil, &c., feed devices ...	P. 13,615
Blue, W.	Metal extraction	P. 13,426
Bolton, A. J. J.	Railway rolling stock ...	P. 13,526
Booth, W.	Butter cutter	13,610
Borlase, W.	Variable speed gear	13,431
Bourke, J. E.	Bait, &c., distributors ...	11,262
,, P.	Post borer	P. 13,448
Bouton, A. N. G.	Boiler seatings	13,629
Bowern, H. G.	Indelible brand	P. 13,535
Bowman, A. E. (*assignee*)	Poison distributors	1351
Bowser, G. M.	Treating stone for building, &c.	P. 13,632
Boyce, E.	Cane harvester	P. 13,428
Boyd, P.	Sowing seeds	P. 13,480
Boyland, J. W.	Sheep shearing machines ...	11,849
Bradley, W.	Acetylene generators	P. 13,645
Brazenall, E.	Dredging buckets	11,447
Brazier, J.	Rotary gas lamps, &c. ...	P. 13,525
Brennan, G.	Tennis, &c., net posts ...	11,816
Briggs, W. C.	Vending machines	13,565
Broadbent, W.	Pads to horse shoes	P. 13,484
Brosa, Blanche	Bucket, &c., stand	13,246
Brown, J. A.	Cocks & taps	13,479
,, W. G. J.	Hair tonic	11,755
Bruce, E. J.	Metal trough support ...	P. 13,505
Bruning, B. D.	Ledger lock	P. 13,433
Budge, J.	Butter cutter	13,610
Burns, G.	Shield for linemen	13,627
,, T.	Theatrical device	P. 13,567
Caldwell, T. F.	Window, &c., catch	13,568
Caro, N.	Ammonium phosphate ...	13,556
Carolin, J. P.	Plough	P. 13,628
Carroll, J. G.	Destroying rabbits	P. 13,574
Carter, C. G.	Manger	P. 13,594
,, H. F.	Filtering, &c.	P. 13,430
Casey, F.	Steam engine	P. 13,604
Champ, R.	Wire netting	P. 13,502
Channon, J. (*assignee*)	Horse-collar	185
,, J. (*assignee*)	Saddles	4799
Charker, P. G.	Burning down trees, &c. ...	P. 13,515
Chester, M. F.	Fence dropper	P. 13,510
Chivers, G.	Low pressure bores	11,202
Clark, G.	Concrete walls	P. 13,587
,, G.	Concrete walls	P. 13,588
Coburn & Knox Ltd. Donaldson (*licensee*) ...	Concrete building	3018
Coleman, C. W.	Railway signalling	13,582
,, C. W.	Railway signalling	13,583
Cosgrove, P. D.	Railway gauges	P. 13,459
Cotton, F.	Steam boilers	P. 13,530

Name.	Subject.	Number
Cox, C. S.	Expanding window screen ...	P. 13,511
,, G. J.	Recording meter registers, &c. ...	13,546
Curran, D.	Dividing laying hens	13,550
Dales, J. H.	Softening, &c., water ...	13,456
Daniell, H.	Head covering	P. 13,463
Davidson, J.	Sheep-shearing machines ...	P. 13,462
De Lorenzi, E.	Measuring ships' loads ...	13,620
de Lutwyche, J.	Pumps	P. 13,585
Deslandes, A. W.	Invalid table, &c.	P. 13,471
Dick, H.	Nailable brick	P. 13,639
Diserens, C.	Turbines	P. 13,509
Donaldson, Coburn & Knox Ltd. (*licensees*)...	Concrete building	3018
Doxey, A.	Lighting primus stoves, &c. ...	P. 13,482
Drabsch, W. R.	Railway joints	P. 13,561
Drew, R.	Jack for battery stamps ...	P. 13,517
Eldred, J.	Illuminating oils	P. 13,652
Ellison, A.	Water filter	P. 13,528
Elphick, F. F. & S. G.	Kettle hanger	12,706
Esdaile, E. W.	Building block	P. 13,572
Eureka Clock Co. Ltd. (*assignee*)	Electric time pieces	7778
Evans, J. B. O.	Forko	13,531
Fabian, B. B.	Tin extraction	P. 13,523
Falls, W.	Hay steaming	P. 13,539
Fate, J. L.	Vacuum jacketed receptacles ...	13,626
Federal Fuel Gas. Pty. Ltd. (Cotton) ...	Steam boilers	P. 13,530
Ferguson, W. (*assignee*)	Calculating butter fat ...	9247
Finlayson, J.	Destroying rabbits	P. 13,574
Fisher, J. (*licensee*)	Cooling safe	2207
F. Lassetter & Co. Ltd. (*licensee*) ...	Horse collar	7901
Flintoff, Elizabeth W.	Frying pan	P. 13,559
,, F.	Window sash raiser	P. 13,467
Foristal, J.	Rock drills	P. 13,503
Frame, W. J.	Suction apparatus	13,464
Francis, A. S.	Gas burners	13,557
Freeman, H. G.	Testing bowls	P. 13,446
Garrard, W.	Fastening on buttons... ...	P. 13,533
Garratt, J. H.	Building block	P. 13,573
Geake, W. H. G.	Shirt	P. 13,427
Germeau, E. N. J.	Boiler seatings	13,629
Gerrie, H. R.	Tobacco leaf strippers ...	13,648
Giles, F.	Roofing tile	P. 13,541
Gilliam, A. A.	Coke crushers	P. 13,457
Godsil, H. L.	Washing tumblers	P. 13,646
Goldsmith, W.	Jam, &c., making	P. 13,474
Green, G. W.	Paper pulp	P. 13,422
,, G. W.	Vegetable fibre	P. 13,507
Grothe, A.	Filtering, &c.	P. 13,430
Guest, A. J.	Music, &c., binder	P. 13,468

Name.	Subject.	Number.
Hadida, H.	Affixing stamps, &c.	11,469
,, H.	Coin freed machines	P. 13,570
Halliday, J.	Cooler for motor-engines, &c. ...	11,421
Hanson, A. J. (Teece)	Electric cut-out	13,524
Harrison, G. E.	Shield for linemen	13,627
Harsant, H.	Petrol lighting	13,545
Hector, M. E.	Water filter	13,547
Hedges, K. W.	Gas heating stoves	13,455
Hemmingsen, C. J.	Milking appliances	13,440
Henrich, J. G.	Bottle stoppers	13,595
Henrichsen, J.	Milking appliances	13,440
Hetherington, C.	Rotary engines	13,621
Hicks, W.	Press digester	P. 13,562
Hill, A. J.	Electrical ignition	13,573
Hine, G.	Puncture stop for tyres ...	P. 13,498
Holgate, J.	Reciprocating engines ...	12,796
Holst, E. K. M.	Composition for tyres, &c. ...	13,542
Honeywood, D.	Ore crusher, &c.	13,558
Hopkins, J. S.	Bedsteads	P. 13,589
Horwood, E. J.	Zinc, &c., separation ...	12,763
Houlden, R.	Floor cramp	P. 13,612
Howie, T.	Coke crushers	P. 13,457
Hughes, P. R.	Sheaf-tie	P. 13,424
Hurst, H. E.	Fastening wool packs ...	P. 13,532
Hutchings, J.	Pumping engines	13,439
Hutchinson, J. H.	Slides of lathes, &c. ...	11,158
Huth, M.	Electrolysis	13,543
Hydrocarbon Converter Co. (Benham & Tait)	Vaporizing	13,590
Ingersoll-Rand Co. (Kurth)	Fluid compressors	13,581
Internat. Harvester Co. of America (Rand)...	Stripper harvesters	13,584
Jelbart, F. S.	Engine speed governor ...	P. 13,608
Jenkins, J. H.	Pictorial advertising	P. 13,447
Johnson, G. B.	Metal sheets	13,605
Johnston, G. G.	Smelting furnaces	P. 13,529
Jolly, E. D.	Rail	P. 13,522
Jones, A. W.	Glass-washing	P. 13,555
,, E.	Spanner	P. 13,454
,, W. J.	Fire extinguishers	13,487
Joyce, J.	Vehicle wheels	P. 13,490
Kannuluik, J.	Safety lifts, &c.	10,967
Kelly, R. T.	Disinfector	P. 13,640
Kent, A. F.	Slot selling machine	P. 13,603
Killen, E. B.	Wooden wheels	13,491
,, E. B.	Rubber tyres	13,492
Kinnear, G. E.	Garbage disposal, &c. ...	P. 13,478
Kinninment, T. C.	Electrical brand	P. 13,518
Kirby, J. F. S.	Drain excavator, &c. ...	13,636
Knox Ltd., Donaldson, Coburn & (*licensees*)	Concrete building	3018
Kurth, M.	Fluid compressors	13,581

Name.	Subject.	Number.
Lancaster, H. J.	Bridges	11,413
Larsen, K.	Earth boring tool	P. 13,537
Lassetter & Co. Ltd., F. (*licensee*) ...	Horse collar	7901
Lee, E.	Firebreak	P. 13,441
Levinson, W.	Cigarette holder	P. 13,617
Linotype & Mach. Ltd. (*assignee*) ...	Linotype machines	10,726
Lloyd, A. H.	Boots and shoes	P. 13,486
Lorenzi, E. De	Measuring ships' loads ...	13,620
Lovett, G. S.	Combined set square	P. 13,540
Lutwyche, J. de	Pumps	P. 13,585
McBride, T. J.	Vehicle tyre, &c.	13,527
McCarthy, E. H. E. C.	Swingle bars, &c.	P. 13,477
McClure, J.	Metal trough support ...	P. 13,505
McDonald, H. E.	Reducing friction on vessels ...	P. 13,647
McDonnell, H. J.	Tobacco, &c., receptacle ...	P. 13,552
Mace, A. H.	Ice cream freezers	13,622
McKenzie, W.	Bracket	P. 13,450
,, W.	Splicing uprights	P. 13,451
,, W.	Putlog	P. 13,452
McLaren, J.	Metal headed nail	11,613
McLean, A. J.	Self working scoop	P. 13,512
Magnasco, G.	Measuring ships' loads ...	13,620
Maguire, H. R.	Railway wheels	11,142
Malcolm, J.	Glass-washing	P. 13,555
Malone, W. M.	Boot, &c., fastenings ...	P. 13,571
Mander, A.	Boots and shoes	P. 13,486
Mann, F. C. D.	Electrical ignition	13,573
Marks, H. J.	Railway coupling	P. 13,521
Marshall, D.	Locking nuts	13,437
Martin, J.	Portable coppers, &c. ...	P. 13,513
Mederer, M.	Cooling chamber	P. 13,630
Meister, H.	Kerosene pump	P. 13,516
Mesh, E.	Drinking fountain for birds, &c.	P. 13,596
Mintern, D. A.	Chaff-cutters	P. 13,598
Mitchell & Co. (*assignee*)	Beaters of harvesters	9709
,, E. G. (Harsant)	Petrol lighting	13,545
,, J. (*assignee*)	Beaters of harvesters	9709
Moir, W. A.	Telephone number indicator ...	12,572
Monk, G. W.	Railway wheels	11,142
Moody, S.	Straw plait mills	P. 13,470
Moon, H.	Clip for wire mattresses ...	P. 13,641
Moore, D. P.	Hydraulic mechanisms ...	13,578
,, J.	Bag fillers	P. 13,616
Morish, W. H.	Branding animals	P. 13,649
,, W. H.	Fence dropper	P. 13,650
,, W. H.	Dipping sheep	P. 13,651
Muller, G. A. H.	Exterminating vermin, &c. ...	13,564
Murnane, C.	Wind-mill gear	P. 13,469
Nesbit, E. E.	Jam, &c., tins	P. 13,644
Nesbitt, Eda	Shoulder strap, &c.	13,569
Newson, F. W.	Riding saddles	P. 13,553
Nicolson & Co. Pty. Ltd. Smith (Bradley) ...	Acetylene generators	P. 13,645

Name.	Subject.	Number.
Niebel, C. T.	Sanitary pan	11,261
Northey, S.	Pliers	P. 13,432
Norton, J. J.	Fire brick	P. 13,434
N. Z. Diamond Sign Co. Ld.	Advertising letters	13,436
O'Brien, T. E.	Tyre for bicycles, &c. ...	P. 13,496
O'Callaghan, W.	Celluloid collars	P. 13,611
Oliver, A.	Filter	13,618
,, A.	Purifying water	13,619
,, -Roche Co. (Roche & Oliver) ...	Filter	13,618
,, ,, ,, ,, ,, ...	Purifying water	13,619
Overman, M. C.	Resilient wheels	13,579
Painter, W. D.	Pads to horse shoes	P. 13,484
Parant, L.	Removing nicotine	13,443
Parry, E.	Non-refillable bottles	P. 13,445
Parsons, W.	Celluloid collars	P. 13,611
Pask, A.	Table-game	P. 13,638
Paterson, W. J.	Filtering machines	P. 13,602
Payne, G.	Ore crusher, &c.	13,558
Peacock, A. R.	Electric currents	13,591
Peddie, J. T.	Sights for small arms, &c. ...	13,500
Pein, H.	Carbonating, &c.	13,631
Pender, W.	Tobacco leaf strippers ...	13,648
Perdriau Rubber Co. Ltd. (Daniell) ...	Head covering	P. 13,463
Pike, H. R.	Book clip, &c.	P. 13,548
Plowman, G. & J.	Wire strainer	P. 13,489
Pomeroy, J.	Clothes prop	13,315
,, J.	Tumbler polisher	P. 13,504
,, J.	Tumbler washers	P. 13,551
Potter, J.	Gas retorts	P. 13,501
Price, A. R.	Burning down, &c. trees ...	P. 13,519
,, A. R.	Burning down trees, &c. ...	P. 13,534
,, R. J.	Franking, &c., machine ...	11,186
Ramshaw, H. J.	Sealing glass jars	P. 13,444
Ranald, J.	Fire extinguishers	13,487
Rand, C. A. A.	Stripper harvesters	13,584
Rawling, W. J.	Sanitary pans	12,598
Reilly, J. J.	Wire fencing	11,227
Renfry, F.	Self-raising flour	P. 13,488
Retallack, T.	Brick making machine ...	P. 13,538
Rice, H. A.	Hydro carbon lamps	13,635
Robb, G. McN.	Window, &c., catch	13,568
Roche, J.	Filter	13,618
,, J.	Purifying water	13,619
Romeril, W. G.	Stopping rats from vessels ...	13,536
Ross, J. F.	Self sealing cans	13,575
Rudd, J. D.	Amalgamating, &c.	P. 13,466
Rutherford, W. & T. J.	Ice cream freezers	13,622
Rüthning, G. H. J.	Sash stop	P. 13,497
Ryan, G.	Wire in fences	13,554
,, Mary A.	Tray drainer	P. 13,483

Name.	Subject.	Number.
Sanders, J. D.	Indelible brand	P. 13,535
Sartain, H. J.	Water bag	10,994
Schaar, H. H. A. (Holst)	Composition for tyres, &c. ...	13,542
Scheele, T. E.	Ammonium phosphate ...	13,556
Scherrer, F.	Fire escape	13,485
Schröder, J. T.	Harness	P. 13,520
Schulze, C. O.	Folding chair, &c.	P. 13,560
Scott, A. H.	Boot or shoe	P. 13,606
Searell, T.	Gridiron	P. 13,643
Siemens & Halske Aktien. (Huth) ...	Electrolysis	13,543
Skertchly, H. B.	Window, &c., catch	13,568
Skinner, Ida B.	Tennis, &c., net posts ...	11,816
Slater, J. H.	Building block	P. 13,572
Smith, D. I.	Wine	13,623
,, H. J. & W.	Life, &c., saving	P. 13,586
,, Nicolson & Co. Pty. Ltd., W. P. (Bradley)	Acetylene generators	13,645
Soanes, H.	Electric brand	13,425
Societe Anon. des Tabacs Desintoxiques, &c. (Parant)	Removing nicotine	13,443
Sporn, J. R.	Stripper teeth	13,449
Stacey, R. D.	Rock drills	P. 13,476
Starr, J. G.	Tarring roads, &c.	P. 13,473
S. Thomas & Co.	Self-raising flour	P. 13,488
Stoneman, A. R.	Filtering machines	P. 13,602
Sutherland, A. G.	Gas, &c., meters	13,499
Tait, G. M. S.	Gasifying hydrocarbons ...	13,590
Tanaka, N.	Electric currents	13,591
Teece, C. S.	Electric cut-out	13,524
Terry, C. A.	Core drilling	13,597
Thomas & Co., S.	Self-raising flour	P. 13,488
,, A. T.	Pasting wrappers, &c. ...	P. 13,481
,, L.	Rock drills	P. 13,503
Thorne, T. B. H.	Wine	13,623
Tilley, C.	Horse shoes	P. 13,549
Tippett, H. H.	Closet pans	P. 13,435
Turnbull, A.	Tyres	13,544
Turri, G. G. (Briggs)	Vending machines	13,565
,, G. G. (Rand)	Stripper harvesters	13,584
Tyers, S. H.	Harvesters	13,506
Un. Centadrink Mfg. Co. (Pein)	Carbonating, &c.	13,631
,, Shoe Mach. Co. (Bates)	Dieing-out machines	P. 13,580
Vernon, R.	Laundry iron	P. 13,592
Waldon, W. E.	Gramophones, &c.	11,306
Walker, G. W.	Roof coverings	11,222
,, H. J.	Self-closing gates, &c. ...	P. 13,461

Name.	Subject.	Number.
Wallace, C. J. & F. W.	Removing animals' tails ...	P. 13,634
,, J. W.	Pumping air	P. 13,633
Wanibuchi, R.	Electric currents	13,591
Warner, T.	Safety lifts, &c.	10,967
,, T.	Turning music sheets, &c. ...	P. 13,600
Warren, G. R.	Testing bowls	P. 13,446
Waters, E. (Tanaka, Peacock & Wanibuchi)	Electric currents	13,591
,, W. H. (Huth)	Electrolysis	13,543
Watson, H.	Rotary gas lamp, &c. ...	P. 13,525
Watt, J. R.	Bracket	P. 13,450
,, J. R.	Splicing uprights	P. 13,451
,, J. R.	Putlog	P. 13,452
Webb, G.	Vehicle wheel rims	13,613
Wesener, J. A.	Bleaching, &c., flour	13,624
West, W. R.	Grip for lifts	P. 13,563
White, W.	Washing locomotive boilers ...	13,614
Whitlock, W.	Tie for brick walls	P. 13,637
Wiley, W.	Bush exterminator	P. 13,577
Wilkinson, R.	Delivering matches singly ...	P. 13,442
Williams, J. R.	Vending machines	13,565
,, R.	Rotary engine	13,642
,, W. R.	Horse, &c., hobbles	13,475
Willis, J.	Joint	11,359
Willmore, C. H.	Harness saddles	P. 13,460
Willox, G. M.	Sleeve-link	P. 13,472
Wilson, E. G.	Flying machines	12,861
,, P.	Book clip, &c.	P. 13,548
,, R.	Veterinary castrator	13,601
Witts, B. L.	Advertising hand rail ...	P. 13,458
Wolle, R. (*assignee*)	Electric conductor pole ...	11,740
Wollheim, H.	Vending machines	13,565
Woodhead, C. H. (*assignee*)	Displaying advertisements ...	2974
Woodworth, T. C.	Flying machine	13,625
W. P. Smith Nicholson & Co. Pty. Ltd. (Bradley)	Acetylene generators	P. 13,645
Wright, A. H.	Slot selling machine	P. 13,603
,, F. H.	Celluloid collars	P. 13,611

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

JANUARY, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.2	Combined set square	Lovett	P. 13,540
00.2	Measuring ships' loads. (56.5)	De Lorenzi	13,620
00.7	Generating electric currents	Tanaka	13,591
	Group 01.—Acoustics.		
01.7	Gramophones, &c., horn. (80.9)	Waldon	11,306
01.8	Turning music sheets, &c.	Warner	P. 13,600
	Group 03.—Electric Railways and Power.		
03.2	Tyre composition. (29.7; 97.81)	Schaar	13,542
	Group 04.—Electric Apparatus.		
04.3	Electric magazine cut-outs	Teece	13,524
04.6	Recording meter. (21.6; 56.5; 83.9)	Cox	13,546
	Group 05.—Telegraphy and Telephony.		
05.7	Telephone number indicator	Moir	12,572
	Group 06.—Electric Lamps.		
06.7	Electric branding apparatus. (37.4)	Soanes	13,425
06.7	Brand. (37.4)	Saunders	P. 13,535

Class.	Title.	Name.	Number.
	Group 07.—Electrolysis and Batteries.		
07.5	Electrolysis. (07.6)	Huth	13,543
07.5	Internal combustion engines. (66.8)	Begg	P. 13,599
07.6	Electrical brand. (37.4)	Kinninment	P. 13,518
07.6	Electrolysis. (07.5)	Huth	13,543
07.9	Vaporizing, &c., hydro-carbon liquids. (21.3)	Benham	13,590
	Group 08.—Mineral Chemistry.		
08.9	Ammonium phosphate. (37.1)	Caro	13,556
	Group 09.—Organic Chemistry.		
09.3	Purifying illuminating oils	Eldred	P. 13,652
09.6	Nicotine from tobacco. (33.3)	Parant	13,443
09.9	Nourishing wine. (27.1) (Section 121)	Bendle	13,623
	Group 10.—Crushing and Grinding.		
10.2	Stamp actuating	Behr	P. 13,429
10.2	Holding jack for idle battery stamps	Drew	P. 13,517
10.2	Ore crushing. (65.4)	Honeywood	13,558
10.3	Coke crushers	Gilliam	P. 13,457
10.7	Sharpening chaff-cutter knives	Mintern	P. 13,598
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Filtering apparatus. (28.1)	Roche	13,618
12.1	Purifying water. (28.1)	Roche	13,619
12.5	Flotation process for separating ores	Horwood	12,763
	Group 13.—Amalgamation.		
13.3	Amalgamating and gold saving	Rudd	P. 13,466
	Group 15.—Metallurgy in Furnaces.		
15.1	Extracting metallic tin from ores. (15.4)	Fabian	P. 13,523
15.4	Metals and sulphur from sulphide ores	Blue	P. 13,426
15.4	Extracting metallic tin from ores. (15.1)	Fabian	P. 13,523
	Group 16.—Furnaces.		
16.40	Ore furnaces. (16.8)	Johnston	P. 13,529
16.8	Gas retorts	Potter	P. 13,501
16.8	Ore furnaces. (16.40)	Johnston	P. 13,529
	Group 18.—Stones, Cement, &c.		
18.5	Building block	Garratt	P. 13,572
18.5	Nailable brick	Dick	P. 13,639
	Group 19.—Glass and Ceramics.		
19.1	Brick making	Retallack	P. 13,538
19.1	Roofing tile	Giles	P. 13,541
19.2	Fire brick	Norton	P. 13,434
	Group 20.—Solid and Liquid Fuel.		
20.8	Electrically igniting gas burners. (22.8; 96.8)	Hill	13,573

Class.	Title.	Name.	Number.
	Group 21.—Gas for Light and Heat.		
21.3	Vaporizing, &c., hydro-carbon liquids. (07.9)	Bepham	13,590
21.4	Petrol lighting. (65.6; 65.9; 69.6)	Harsant	13,545
21.6	Gas and water meters. (83.9)	Sutherland	13,499
21.6	Recording meter. (04.6; 56.5; 83.9)	Cox	13,546
21.87	Acetylene gas lamp	Billington	P. 13,423
21.89	Acetylene generators	Bradley	P. 13,645
	Group 22.—Candles and Lamps.		
22.4	Self-acting kerosene pump	Meister	P. 13,516
22.8	Lighting, &c., gas lamps	Bedford	11,278
22.8	Lighting, &c., gas lamp	Bedford	12,791
22.8	Rotary gas lamp, lighter, &c.	Brazier	P. 13,525
22.8	Electrically igniting gas burners. (20.8; 96.8)	Hill	13,573
	Group 23.—Bunsen and Incand. Burners.		
23.3	Lighting primus stoves, &c.	Doxey	P. 13,482
23.3	Hydro-carbon lamps	Rice	13,635
23.5	Inverted incandescent gas burners. (Section 121)	Francis	13,557
	Group 24.—Domestic Heating; Cooking.		
24.5	Kettle hanger	Elphick	12,706
24.5	Jams, sauces, &c. (34.7)	Goldsmith	P. 13,474
24.5	Portable and other coppers, &c.	Martin	P. 13,513
24.5	Press digester	Hicks	P. 13,562
24.7	Frying pan	Flintoff	P. 13,359
24.7	Gridiron	Searell	P. 13,643
	Group 25.—Washing; Cleaning; Brushes.		
25.5	Tray drainer	Ryan	P. 13,483
25.5	Tumbler washers. (74.7)	Pomeroy	P. 13,551
25.5	Glass-washing machine	Malcolm	P. 13,555
25.5	Washing, &c., tumblers	Godsil	P. 13,646
25.6	Clothes prop	Pomeroy	13,315
25.7	Disc laundry iron	Vernon	P. 13,592
25.9	Gas suction apparatus. (69.1.) (Section 121)	Frame	13,464
	Group 26.—Bleaching and Dyeing.		
26.1	Bleaching, &c., flour. (34.3)	Wesener	13,624
	Group 27.—Beverages.		
27.1	Nourishing wine. (09.9.) (Section 121)	Bendle	13,623
	Group 28.—Distillation and Filtration.		
28.1	Water filter	Ellison	P. 13,528
28.1	Filtering apparatus. (12.1)	Roche	13,618
28.1	Purifying water. (12.1)	Roche	13,619
28.1	Domestic filters	Adams	13,653
28.2	Filtering, &c.	Grothe	P. 13,430
28.2	Filtering machines	Stoneman	P. 13,602
	Group 29.—Refrigeration.		
29.3	Water bag. (57.8)	Sartain	10,994
29.7	Tyre composition. (03.2; 97.81)	Schaar	13,542
29.7	Ice cream freezers	Rutherford	13,622
29.7	Vacuum jacketed receptacles	Fate	13,626

Class	Title.	Name.	Number.
	Group 30.—Ploughing.		
30.1	Fork. (32.1)	Evans	13,531
30.2	Burning down trees, &c.	Charker	P. 13,515
30.2	Burning down trees, &c.	Price	P. 13,519
30.2	Burning down trees, &c.	Price	P. 13,534
	Group 31.—Cultivation.		
31.1	Attachment for sowing single seeds	Boyd	P. 13,480
31.5	Bush exterminator	Wiley	P. 13,577
31.7	Fertilizer	Binney	12,510
	Group 32.—Harvesting.		
32.1	Fork. (30.1)	Evans	13,531
32.2	Sheaf-tie	Hughes	P. 13,424
32.3	Tooth for stripper harvester combs	Sporn	13,449
32.3	Preventing lagging of crop side of harvesters	Tyers	13,506
32.3	Stripper harvesters	Rand	13,584
	Group 33.—Tropiculture.		
33.1	Cane harvester	Boyce	P. 13,428
33.3	Nicotine from tobacco. (09.6)	Parant	13,443
33.3	Tobacco leaf strippers	Gerrie	13,648
33.5	Match delivering apparatus	Wilkinson	P. 13,442
33.5	Tobacco, &c., receptacle	McDonnell	P. 13,552
33.5	Cigarette holder	Levinson	P. 13,617
	Group 34.—Cereals, Vegetables, Fruit.		
34.2	Hay steaming	Falls	P. 13,539
34.3	Bleaching, &c., flour. (26.1)	Wesener	13,624
34.6	Self-raising flour	Remfry	P. 13,488
34.7	Jams, sauces, &c. (24.5)	Goldsmith	P. 13,474
	Group 36.—Dairy Food.		
36.1	Milking appliances	Henrichsen	13,440
36.8	Butter cutter	Budge	13,610
	Group 37.—Pastoral.		
37.1	Frame for supporting metal water troughs	Bruce	P. 13,505
37.1	Ammonium phosphate. (08.9)	Caro	13,556
37.1	Drinking fountain for poultry, &c.	Mesh	P. 13,596
37.1	Veterinary castrator. (87.4)	Wilson	13,601
37.3	Dipping sheep	Morish	P. 13,651
37.4	Electric branding apparatus. (06.7)	Soanes	13,425
37.4	Electrical brand. (07.6)	Kinninment	P. 13,518
37.4	Brand. (06.7)	Saunders	P. 13,535
37.4	Branding animals	Morish	P. 13,649
37.6	Shearing machines	Boyland	11,849
37.6	Vibrating forks of Wolseley shears	Davidson	P. 13,462
37.6	Machine shear comb dresser	Ball	P. 13,508
37.6	Machine sheep shears	Bennett	P. 13,514
37.8	Making fire breaks	Lee	P. 13,441
	Group 38.—Fowling; Fishing; Trapping.		
38.1	Dividing laying hens	Curran	13,550
38.9	Bait distributors	Bourke	11,262
38.9	Keeping rats from ships. (82.1)	Romeril	13,536
38.9	Exterminating insects, &c.	Muller	13,564
38.9	Destroying rabbits	Finlayson	P. 13,574

Class.	Title.	Name.	Number.
	Group 39.—Harness; Animal Power.		
39.3	Attaching rubber heels to horseshoes	Painter	P. 13,484
39.3	Horseshoes	Tilley	P. 13,549
39.3	Manger for horses, &c.	Carter	13,594
39.4	Harness	Schröder	P. 13,520
39.6	Buckle, &c.	Bilston	P. 13,566
39.7	Hobbles for horses, &c.	Williams	13,475
39.8	Harness saddles	Willmore	P. 13,460
39.8	Riding saddles	Newson	P. 13,553
	Group 40.—Textile Raw Materials.		
40.1	Manufacture of vegetable fibre	Green	P. 13,507
	Group 41.—Weaving.		
41.5	Straw plait mills	Moody	P. 13,470
	Group 43.—Wearing Apparel.		
43.3	Shirt	Geake	P. 13,427
43.6	Celluloid collars. (43.9)	Parsons	P. 13,611
43.7	Hair tonic	Brown	11,755
43.8	Head covering for swimming	Daniell	P. 13,463
43.9	Sleeve link	Willox	P. 13,472
43.9	Fastening on buttons	Garrard	P. 13,533
43.9	Shoulder strap, &c.	Nesbitt	13,569
43.9	Boot, &c., fastening. (44.7)	Malone	P. 13,571
43.9	Celluloid collars. (43.6)	Parsons	P. 13,611
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Boots and shoes	Lloyd	P. 13,486
44.1	Boot or shoe	Aland	P. 13,606
44.5	Dieing-out machines for boot uppers, &c.	Bates	P. 13,580
44.7	Boot, &c., fastening. (43.9)	Malone	P. 13,571
	Group 45.—Furniture.		
45.1	Folding chair, &c. (53.1)	Schulze	P. 13,560
45.2	Invalid table and collapsible cot	Deslandes	P. 13,471
45.2	Bedsteads	Hopkins	P. 13,589
45.2	Wire mattresses. (46.1)	Armtsrong	13,607
45.2	Securing mattresses to bedsteads. (78.9)	Moon	P. 13,641
45.3	Bucket, &c., stand	Brosa	13,246
45.7	Expanding fly window screen	Cox	P. 13,511
	Group 46.—Upholstery.		
46.1	Wire mattresses. (45.2)	Armstrong	13,607
	Group 48.—Paper; Bookbinding.		
48.1	Paper pulp	Green	P. 13,422
48.6	Book clip, &c.	Wilson	P. 13,548
48.8	Locking loose leaf ledgers	Dixon	P. 13,433
48.8	Binder for sheet music, &c.	Guest	P. 13,468
	Group 49.—Clerical; Scholastic; Artistic.		
49.1	Multi-colour fountain pen	Aspinall	P. 13,453

Class	Title.	Name.	Number.
	Group 53.—Amusements.		
53.1	Folding chair, &c. (45.1)	Schulze	P. 13,560
53.2	Housing pillar for tennis nets, &c.	Brennan	11,816
53.2	Testing, &c., bias of bowls	Warren	P. 13,446
53.4	Theatrical device	Burns	P. 13,567
53.6	Table game	Pask	P. 13,638
53.9	Speaking dolls	Arnold	13,438
	Group 54.—Commerce.		
54.1	Advertising letters for shop fronts		13,436
54.1	Stereoscopic pictorial and panoramic advertising machine	Jenkins	P. 13,447
54.1	Counter advertising hand rail	Witts	P. 13,458
54.1	Displaying movable signs for advertisements	Baird	P. 13,493
54.3	Franking machine. (55.7)	Price	11,186
54.3	Affixing stamps, &c.	Hadida	11,469
54.3	Pasting newspaper wrappers, &c. (79.4)	Thomas	P. 13,481
	Group 55.—Money.		
55.7	Franking machine. (54.3)	Price	11,186
55.7	Vending machines. (56.2)	Briggs	13,565
55.7	Coin freed machines	Hadida	P. 13,570
55.7	Musical advertising machine	Kent	P. 13,603
	Group 56.—Counting, Measuring, Weighing.		
56.2	Vending machines. (55.7)	Briggs	13,565
56.5	Recording meter. (04.6; 21.6; 83.9)	Cox	13,546
56.5	Measuring ships' loads. (00.2)	De Lorenzi	13,620
	Group 57.—Packing, Compressing, Bottling.		
57.1	Bag fillers	Moore	P. 13,616
57.3	Clip for wool packs	Hurst	P. 13,532
57.5	Metal top for sealing glass jam jars	Ramshaw	P. 13,444
57.5	Self-sealing cans	Ross	13,575
57.5	Valved bottle stoppers for siphons, &c.	Henrich	13,595
57.5	Bottles and stoppers	Atthow	13,609
57.5	Jam, &c., tins	Nesbit	P. 13,644
57.6	Non-refillable bottles	Parry	P. 13,445
57.8	Water bag. (29.3)	Sartain	10,994
	Group 58.—Chains, Ropes, Wire.		
58.3	Pliers. (72.1)	Northey	P. 13,432
58.3	Wire strainer	Plowman	P. 13,489
58.3	Wire strainer	Ryan	13,554
58.5	Machines for making wire netting	Champ	P. 13,502
	Group 59.—Conveying and Lifting.		
59.1	Waggon jack	Anderson	11,100
59.2	Safety lifts	Warner	10,967
59.2	Lift grip	West	P. 13,563
59.9	Handling slag pots	Baker	P. 13,494
	Group 60.—Mechanism; Lubrication.		
60.2	Variable speed gear. (95.9)	Borlase	13,431
60.7	Lathe slides. (72.3; 72.5)	Hutchinson	11,158
60.9	Meat slicer. (76.8)	Van Berkel	13,465
60.9	Oil, &c., feed delivery devices	Blake	P. 13,615

Class.	Title.	Name.	Number.
	Group 61.—Governors.		
61.9	Fluid compressors. (69.4)	Kurth	13,581
61.9	Engine speed governor	Jelbart P.	13,608
	Group 62.—Power Storage.		
62.1	Increasing water supply in low pressure bores. (68.5)	Chivers	11,202
62.5	Turbines	Diserens P.	13,509
	Group 63.—Steam Power.		
63.2	Purifying water, steam generating, &c. (83.1)	Dales	13,456
63.2	Washing locomotives, &c. (Section 121)	White	13,614
63.4	Steam boilers	Cotton P.	13,530
	Group 65.—Reciprocating Motors.		
65.4	Ore crushing. (10.2)	Honeywood	13,558
65.6	Direct acting pumping engines. (68.5; 68.6)	Hutchings	13,439
65.6	Petrol lighting. (21.4; 65.9; 69.6)	Harsant	13,545
65.9	Reciprocating engines	Holgate	12,796
65.9	Petrol lighting. (21.4; 65.6; 69.6)	Harsant	13,545
	Group 66.—Gas and Oil Engines.		
66.5	Cooler for cylinders of motor engines	Halliday	11,421
66.8	Internal combustion engines. (07.5)	Begg P.	13,599
	Group 67.—Turbines; Rotary Motors.		
67.7	Rotary engines	Hetherington	13,621
67.7	Rotary engine	Williams	13,642
67.8	Steam engine	Casey P.	13,604
	Group 68.—Pumps for Liquids.		
68.5	Increasing water supply in low pressure bores. (62.1) ...	Chivers	11,202
68.5	Direct acting pumping engines. (65.6; 68.6)	Hutchings	13,439
68.5	Water pumps	de Lutwyche P.	13,585
68.6	Direct acting pumping engines. (65.6; 68.5)	Hutchings	13,439
	Group 69.—Blowers and Compressors.		
69.1	Gas suction apparatus. (25.9.) (Section 121)	Frame	13,464
69.4	Fluid compressors. (61.9)	Kurth	13,581
69.6	Petrol lighting. (21.4; 65.6; 65.9)	Harsant	13,545
	Group 72.—Turning; Milling; Fitting.		
72.1	Pliers. (58.3)	Northey P.	13,432
72.1	Spanner	Jones P.	13,454
72.3	Lathe slides. (60.7; 72.5)	Hutchinson	11,158
72.5	Lathe slides. (60.7; 72.3)	Hutchinson	11,158
	Group 73.—Sheet Metal Work.		
73.2	Shearing metal sheets. (Section 121)	Johnson	13,605
	Group 74.—Pipes and Fittings.		
74.4	Roof coverings. (81.2; 81.6)	Walker	11,222
74.5	Joint	Willis	11,359
74.7	Cocks and taps	Brown	13,479
74.7	Tumbler washer. (25.5)	Pomeroy P.	13,551
74.7	Turbine-valve-operating mechanism. (83.5) (Section 121) ...	Beale	13,578

Class.	Title.	Name.	Number.
	Group 75.—Abrading and Polishing.		
75.6	Buff for polishing tumblers, &c.	Pomeroy	P. 13,504
	Group 76.—Cutlery; Plate.		
76.8	Meat slicer. (60.9)	Van Berkel	13,465
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Window catch. (78.7)	Robb	13,568
	Group 78.—Structural Hardware.		
78.1	Soft metal headed nail	McLaren	11,613
78.4	Locking nuts on bolts	Marshall	13,437
78.7	Window sash raiser	Flintoff	P. 13,467
78.7	Adjustable sash stop	Rüthning	P. 13,497
78.7	Window catch. (77.1)	Robb	13,568
78.9	Bracket. (81.3)	Watt	P. 13,450
78.9	Securing mattresses to bedsteads. (45.2)	Moon	P. 13,641
	Group 79.—Paints, Adhesives, &c.		
79.4	Pasting newspaper wrappers, &c. (54.3)	Thomas	P. 13,481
	Group 80.—Carpentry.		
80.3	Floor cramp	Houlden	P. 13,612
80.7	Multiple boring machine. (81.8)	Bourke	P. 13,448
80.9	Gramophones, &c., horn. (01.7)	Waldon	11,306
	Group 81.—Buildings, Streets, Fencing.		
81.1	Core for hollow concrete walls	Clark	P. 13,587
81.1	Moulding concrete walls	Clark	P. 13,588
81.1	Cavity brick walls	Whitlock	P. 13,637
81.2	Roof coverings. (74.4; 81.6)	Walker	11,222
81.2	Wire, &c., fencing. (81.8)	Reilly	11,227
81.3	Bracket. (78.9)	Watt	P. 13,450
81.3	Splicing wooden uprights	Watt	P. 13,451
81.3	Putlog	Watt	P. 13,452
81.6	Roof coverings. (74.4; 81.2)	Walker	11,222
81.6	Gas heating stoves	Hedges	13,455
81.7	Bridges	Lancaster	11,413
81.8	Wire, &c., fencing. (81.2)	Reilly	11,227
81.8	Multiple boring machine. (80.7)	Bourke	P. 13,448
81.8	Dropper and post for fire fences	Chester	P. 13,510
81.8	Fence dropper	Morish	P. 13,650
81.9	Fittings for self-closing of gates, &c.	Walker	P. 13,461
	Group 83.—Waterworks.		
83.1	Purifying water, steam generating, &c. (63.2)	Hales	13,456
83.1	Water filter	Hector	13,547
83.5	Turbine-valve-operating mechanism. (74.7) (Section 121) ...	Beale	13,578
83.9	Gas and water meters. (21.6)	Sutherland	13,499
83.9	Recording meter. (04.6; 21.6; 56.5)	Cox	13,546

Class.	Title.	Name.	Number.
	Group 84.—Excavation and Dredging.		
84.3	Self-working scoop	McLean	P. 13,512
84.3	Drain making, &c., plough	Carolin	P. 13,628
84.3	Drain excavator, &c.	Kirby	13,636
84.6	Dredging machines	Brazenall	11,447
	Group 85.—Mining.		
85.2	Core drilling apparatus. (85.6)	Terry	13,597
85.6	Core drilling apparatus. (85.2)	Terry	13,597
85.7	Earth boring tool	Larsen	P. 13,537
85.8	Basin jacket for rock drills	Stacey	P. 13,476
85.8	Drill, &c., for rock drills	Thomas	P. 13,503
	Group 86.—Sanitation.		
86.2	Water-closet flushing cistern	Bissaker	P. 13,576
86.2	Disinfector for cisterns, &c.	Kelly	P. 13,640
86.3	Sanitary pan	Niebel	11,261
86.3	Sanitary pans	Rawling	12,598
86.3	Earth closet pans	Tippett	P. 13,435
86.3	Sanitary urinal	Anschau	P. 13,495
86.5	Tar and sand spreading on roads	Starr	P. 13,473
86.6	Garbage disposal and land reclamation	Kinnear	P. 13,478
	Group 87.—Medicine.		
87.4	Veterinary castrator. (37.1)	Wilson	13,601
	Group 88.—Salvage, Accidents.		
88.1	Fire extinguishing, &c.	Smith	P. 13,586
88.2	Automatic fire extinguishing sprinklers. (Section 121)	Jones	13,487
88.4	Fire escapes. (Section 121)	Scherrer	13,485
88.9	Shield for linemen	Harrison	13,627
	Group 89.—War.		
89.5	Sights for small arms and ordnance. (Section 121)	Peddie	13,500
	Group 90.—Wind and Flying Machines.		
90.3	Flying machine	Wilson	12,861
90.3	Flying machine	Woodworth	13,625
90.7	Pump gear for windmills	Murnane	P. 13,469
	Group 92.—Marine Propulsion.		
92.6	Reducing friction on vessels	McDonald	P. 13,647
	Group 93.—Road Vehicles.		
93.4	Vehicle wheels	Joyce	P. 13,490
93.4	Wooden wheels	Killen	13,491
93.4	Rims for vehicle wheels. (97.81) (Section 121)	Webb	13,613
93.7	Combination swingle bars, &c.	Binnie	P. 13,477
	Group 95.—Locomobiles.		
95.9	Variable speed gear. (60.2)	Borlase	13,431

Class.	Title.	Name.	Number.
	Group 96.—Rolling Stock.		
96.3	Releasing coupling links from railway vehicles	Marks	P. 13,521
96.4	Overcoming wear of railway, &c., wheels and rails	Monk	11,142
96.8	Electrically igniting gas burners. (20.8; 22.8)	Hill	13,573
	Group 97.—Wheels.		
97.6	Resilient wheels	Overman	13,579
97.81	Rubber tyres and their attachment to wheels	Killen	13,492
97.81	Tyres for bicycles, motors, &c.	O'Brien	P. 13,496
97.81	Tyre composition. (03.2; 29.7)	Schaar	13,542
97.81	Rims for vehicle wheels. (93.4.) (Section 121)	Webb	13,613
97.83	Puncture proof tyres, &c.	McBride	13,527
97.83	Tyres	Turnbull	13,544
97.87	Puncture stop for rubber, &c., tyres...	Hine	P. 13,498
	Group 98.—Permanent Way.		
98.1	Rail	Jolly	P. 13,522
98.1	Railway joint	Drabsch	P. 13,561
98.2	Preventing railway collisions	Angus	P. 13,593
98.6	Wheels and axles for gauge changing	Cosgrove	P. 13,459
98.6	Rolling stock for lines of different gauge	Bolton	P. 13,526
	Group 99.—Signalling.		
99.4	Railway, &c., signalling	Coleman	13,582
99.4	Railway, &c., signalling	Coleman	13,583

DESCRIPTIVE SUBJECT INDEX

TO SPECIFICATIONS OPENED TO INSPECTION.

JANUARY, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The numbers stated in parentheses after the subject indicate classes in which entries have also been made.

Applications under Section 121 are indexed at the stage at which they become open to public inspection.

Class.	Subject.	Name.	Number.
	Group 00.—Science.		
00.4	Double half-disc shutter for flash signals. (99.6)	Rylatt	10,743
00.4	Floating absorbers of solar radiation, to produce air currents with varied saturation and promote rainfall. (00.8; 83.1.) (Section 121) ..	Dessoliers	13,421
00.7	Differential thermal alarm contacts for sudden rise of temperature; inactive with ordinary changes	McNeil	11,386
00.8	Floating absorbers of solar radiation, to produce air currents with varied saturation and promote rainfall. (00.4; 83.1.) (Section 121)	Dessoliers	13,421
	Group 01.—Acoustics.		
01.1	Convoluted explosion chamber and whistle resonater in audible buoy. (66.5; 82.1; 99.6.) (Section 85, *see* 9527/*07*)	Willson	12,438
01.7	Phonograph, &c., diaphragm; centre embossed and intussuscepted ..	Davidson	10,997
	Group 02.—Dynamo Electric Machinery.		
02.1	Arched and ogee formed field coils; arranged for sparkless commutation	Burleigh	12,316
	Group 07.—Electrolysis and Batteries.		
07.6	Cyclic process of electrolytic solution of ferro-nickel, with precipitation of iron by nickelic hydroxide, and deposition of nickel	Chalas	12,458
	Group 09.—Organic Chemistry.		
09.9	Vegetable albumen treated with animal casein, &c., to form rubber substitute. (47.5)	Wiechmann	11,378
	Group 11.—Mech. and Elec. Separation.		
11.3	In 11,300/*08*, supporting the drum on upper internal instead of lower external rollers; rubber tyred rollers	Rigby	12,286
11.7	Electrostatic separator; ore particles carried by electrified roller under oppositely charged comb, towards dividing partition; five variations	Wentworth	12,487

Class.	Subject.	Name.	Number.
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Continuous conical settlers; central guide cone; rim overflow for upper liquor; pulp removed by pump at base. (14.4; 14.7) ..	Crosse	10,963
	Group 14.—Leaching Metallurgy.		
14.4	Continuous cyaniding in settling vats; upper liquor circulated through zinc precipitation box; deposit lifted by pump; two plants. (12.1; 14.7)	Crosse	10,963
14.7	Continuous conical settlers; central guide cone; rim overflow for upper liquor; pulp removed by pump at base. (12.1; 14.4) ..	Crosse	10,963
	Group 16.—Furnaces.		
16.30	Suction producer for gas engines; vertical chamber with brick baffles for converting oil with partial combustion. (21.3; 66.5) ..	Frost	12,430
	Group 20.—Solid and Liquid Fuel.		
20.2	Briquetting coaldust with chlorinated tar or liquid hydrocarbons, without magnesite and with or without lime, water, &c.	Vivian	11,850
	Group 21.—Gas for Light and Heat.		
21.3	Suction producer for gas engines; vertical chamber with brick baffles for converting oil with partial combustion. (16.30; 66.5) ..	Frost	12,430
	Group 23.—Bunsen and Incand. Burners.		
23.5	Primus stand and mantle support for inverted incandescent table lamps	Preston	12,363
	Group 25.—Washing; Cleaning; Brushes.		
25.8	Crescent clamps in sheet metal for attaching paint brush head; handle socket screwed or plain	Abrams	11,062
25.9	Multiple jet hydraulic air ejectors with baffles for atomizing the water jets; for dust extraction. (69.1.) (Section 121)	Frame	13,464
	Group 30.—Ploughing.		
30.1	Handles for spades, &c.; reinforced at socket end by metal strip in saw cut	Richmond	12,051
30.2	Stump hauler on wheeled sledge; perforated or toothed ratchet with lever and double pawls of unequal length; two designs. (59.1) ..	Wilson	12,306
	Group 31.—Cultivation.		
31.5	Weed poison; arsenic, bluestone, alkali, &c.	Noller	10,858
	Group 32.—Harvesting.		
32.3	Choke clearer; transverse-toothed bar sliding below combs; two forms of bar	Morrow	11,978
32.3	Slotted spring comb for automatic choke clearing, following 9153/07; supports and adjustments	Keenan	12,542
32.7	Grading fruits; longitudinal tapering races above perforated grading belts; transverse delivery shoots	Lomas	10,769
	Group 35.—Meat Food.		
35.1	Caterer's meat slicer; meat fed through adjustable clamp cylinder to the rotary knife; intermittent screw feed. (76.8)	Gunn	11,041

Class.	Subject.	Name.	Number.
	Group 36.—Dairy Food.		
36.2	Combination knee rest and ear-piece secured to bucket; many designs. (73.8)	Dike	10,795
36.3	Plant diagram and process for aerating cream and washing butter, with air and water sterilized through animal charcoal. (36.7)	Kyle	12,008
36.7	Plant diagram and process for aerating cream and washing butter, with air and water sterilized through animal charcoal. (36.3)	Kyle	12,008
36.8	Butter box packing press; sliding box holder; crank operated single revolution plunger. (57.3; 61.5)	Topliss	12,105
	Group 38.—Fowling; Fishing; Trapping.		
38.9	Hand operated exhaust fan for pumping prussic acid into burrows with H_2S and SO_2 or steam as carrier; wheelbarrow plant	Grant	10,969
	Group 39.—Harness; Animal Power.		
39.4	Brake mechanism operated by breeching straps, or by traces when horses bolt; pedal locking gear. (39.6; 93.3; 93.7)	Varley	10,671
39.6	Brake mechanism operated by breeching straps, or by traces when horses bolt; pedal locking gear. (39.4; 93.3; 93.7)	Varley	10,671
	Group 42.—Sewing.		
42.3	Sewing machine stop action; break and stop finger rocked by spiral spring in clutch wheel; buffer to check rebound. (42.7; 44.5; 61.5)	Plant	12,700
42.7	Sewing machine stop action; break and stop finger rocked by spiral spring in clutch wheel; buffer to check rebound. (42.3; 44.5; 61.5)	Plant	12,700
42.7	Channel moistening in sewing machines; valve on supply pipe operated by treadle, and closed by shaft recoil. (44.5) (Section 121) ..	Hooper	12,750
	Group 43.—Wearing Apparel.		
43.8	Ventilating hats by perforations under ornamental band; with or without inner corrugated lining	Linley	10,996
43.9	Spring ticket holders with stud on safety pin; three designs. (54.2) ..	Corin	12,450
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Varying fit of boot instep by changeable instep pieces; four designs ..	Hunton	12,417
44.1	Boot size stick; instep and vamp girth tapes adjusted by pivoted lever with size indicator	Church	12,578
44.3	Circular rubber lift attached to heel plate, by circular dovetail with oblique entry notch	Hancock	10,944
44.5	Eyeletting machine; toggle operated punch with feed motion; yielding nipple pin and setting die; stop action clutch. (62.7)	Jerram	10,746
44.5	Adjustable one revolution stop action in lasting machines, &c., *as* G.B. 14,453/*97*; clutch bolt with spring actuated wedge release	Bates	10,747
44.5	Clicking press; quadrant shaped starting handle in proximity to pressure arm handle. (47.3)	Bennion	10,900
44.5	Assembling machine following 6218/*06*; work positioning, wiper mechanism, and work supporting post; one revolution stop action. (61.5)..	Ashton	11,057
44.5	Pull-over machines *as* G.B. 7005/*00*; double grippers with lagging front pair; jaw teeth; grip release; presser, &c.	Ashton	11,058
44.5	Sewing machine stop action; break and stop finger rocked by spiral spring in clutch wheel; buffer to check rebound. (42.3; 42.7; 61.5)	Plant	12,700
44.5	Channel moistening in sewing machines; valve on supply pipe operated by treadle, and closed by shaft recoil. (42.7) (Section 121) ..	Hooper	12,750
44.7	Legging fastener; hook and socket at bottom; pin, eyelet hole and spring clasp at top	Bice	12,352

Class.	Subject.	Name.	Number.
	Group 47.—Leather and Plastics.		
47.3	Clicking press ; quadrant shaped starting handle in proximity to pressure arm handle. (44.5)	Bennion	10,900
47.5	Rubber substitute ; vegetable albumen with animal casein ; treatment with hydrogen peroxide, formaldehyde, or by vulcanizing. (09.9) ..	Wiechmann	11,378
	Group 48.—Paper; Bookbinding.		
48.3	Roller with central paste-carrying rib ; co-operating with two paste rollers for longitudinal pasting of 16-page sheets. (50.8)	Spalckhaver	12,437
48.3	Winding continuous strips in side-by-side spirals on one spool ; double diagonal crossing fold. (53.4 ; 56.6)	McComb	12,443
48.3	Winding long paper strips, &c., in double layers on slotted reels in series ; carrier rolls for supporting intermediate bight. (53.4 ; 56.6 ; 60.5)..	McComb	12,444
48.8	Paper straps ; pair of perforated laths with running cord and belay button	Lock	12,401
	Group 50.—Typographic Printing.		
50.1	Drying racks, for supporting printing rolls at the washing trough ..	Laver	11,588
50.4	Printing typewriter imitations ; hand power cylinder machine using magazine lines of type following 11,516/*08*. (50.7 ; 51.6.) (Section 121)	Osborn	13,403
50.7	Hand press producing bill or letter headings from the roll, and imitation typed additional matter at one operation. (50.4 ; 51.6.) (Section 121)	Osborn	13,403
50.8	Roller with central paste-carrying rib ; co-operating with two paste rollers for longitudinal pasting of 16-page sheets. (48.3).. ..	Spalckhaver	12,437
	Group 51.—Lithography, &c.		
51.6	Multiple colour printing through "carbon" ribbons. (50.4 ; 50.7.) (Section 121)	Osborn	13,403
	Group 52.—Photography.		
52.1	Bioscope camera for producing or exhibiting coloured films ; triple coloured screen moves progressively with the picture or sensitive film. (53.4)	Friese-Greene	12,412
52.4	Sensitive surfaces containing derivatives of hydrozine or hydroxylamine. (Section 121)	Caldwell	13,369
	Group 53.—Amusements.		
53.1	Football cover ; rubber coated chrome leather stretched before hand sewing	Keck	11,980
53.4	Bioscope camera for producing or exhibiting coloured films ; triple coloured screen moves progressively with the picture or sensitive film. (52.1)	Friese-Greene	12,412
53.4	Winding camera films in side by side spirals on long reels. (48.3 ; 56.6)	McComb	12,443
53.4	Winding long biograph strips, &c., in double layers on slotted reels in series ; carrier rolls for supporting intermediate bight. (48.3 ; 56.6 ; 60.5)	McComb	12,444
53.7	Table bowls ; gravity shoot for propelling balls ; wire clips for marginal ditch	Frew	12,397
	Group 54.—Commerce.		
54.2	Perforated and folded stamp carrying strips, for vending machines. (54.3 ; 55.7)	Williams	12,420
54.2	Spring ticket holders with stud on safety pin ; three designs. (43.9)..	Corin	12,450
54.3	Perforated and folded stamp carrying strips, for vending machines. (54.2 ; 55.7)	Williams	12,420

Class.	Subject.	Name.	Number.
	Group 55.—Money.		
55.7	Perforated and folded stamp carrying strips, for vending machines. (54.2; 54.3)	Williams	12,420
	Group 56.—Counting, Measuring, Weighing.		
56.5	Kerosene bulk-delivery meter; siphon discharges a tank to a depth pre-determined by adjustable vent pipe. (56.6)..	Bronner	10,669
56.6	Disc register with stylus marks on both sides; for kerosene bulk-delivery meter. (56.5)	Bronner	10,669
56.6	Winding recorder strips, &c., in continuous lengths in spirals side by side on one reel; double diagonal fold at the crossing. (48.3; 53.4) ..	McComb	12,443
56.6	Winding long recorder strips, &c., in double layers on slotted reels in series; carrier rolls for supporting intermediate bight. (48.3; 53.4; 60.5)	McComb	12,444
	Group 57.—Packing, Compressing, Bottling.		
57.3	Butter box packing press; sliding box holder; crank operated single revolution plunger. (36.8; 61.5)	Topliss	12,105
57.8	Portmanteaux; removable partition to facilitate nesting for transport	Palmer	11,674
	Group 58.—Chains, Ropes, Wire.		
58.4	Wire loops for belt coupling; flat, twisted and spiral linkage. (62.7)	Woolliscroft	12,389
	Group 59.—Conveying and Lifting.		
59.1	Stump hauler on wheeled sledge; perforated or toothed ratchet with lever and double pawls of unequal length; two designs. (30.2) ..	Wilson	12,306
59.2	Continuously moving chain; lateral displacing guide rollers for deflecting chain and tipping platform	Bragg	10,735
	Group 60.—Mechanism; Lubrication.		
60.2	Balancing side thrust of train-arm bevel-gear by a roller path attached to the train arm, with ball-bearing conical roller. (95.9.) (Section 121)	De Dion	13,355
60.5	Winding long recorder strips, &c., in double layers on slotted reels in series; carrier rolls for supporting intermediate bight. (48.3; 53.4; 56.6)	McComb	12,444
60.7	Plummer block adjusted by vertical and horizontal screws. (67.7) ..	Marks	12,081
60.7	Circular rotating oil box and grit excluder, with rubber and other packing rings abutting against bearing ends. (60.9; 92.2)	Gyler	12,297
60.7	Single end metallic gland packing following G.B. 9247/*93*; 25,491/*96*; and 6821/*05*; two designs of bearing rings	Foden	12,312
60.8	Ball bearing for balance lever fork on sliding sleeve of vertical spindle of glass grinder. (75.3)	Cotterell	12,060
60.9	Circular rotating oil box and grit excluder, with rubber and other packing rings abutting against bearing ends. (60.7; 92.2)	Gyler	12,297
	Group 61.—Governors.		
61.5	One revolution stop action in boot assembling machine; incline face and sliding key. (44.5)	Ashton	11,057
61.5	Single revolution stop; tappet and belt shifter. (36.8; 57.3) ..	Topliss	12,105
61.5	Sewing machine stop action; break and stop finger rocked by spiral spring in clutch wheel; buffer to check rebound. (42.3; 42.7; 44.5)	Plant	12,700
61.7	Windmill band-brake released by descent of float in tank; loaded brake lever tilted by rise of float. (74.8; 90.7)	Harkness	12,748

Class.	Subject.	Name.	Number.
	Group 62.—Power Storage.		
62.7	Spring cone clutch disengaged by oblique ring segments and rocking fork. (44.5)	Jerram	10,746
62.7	Butt or flange belt fastener; wire loops secured by rods; nine designs. (58.4)	Woolliscroft	12,389
	Group 66.—Gas and Oil Engines.		
66.5	Suction producer burning liquid fuel in bricked chamber. (16.30; 21.3)	Frost	12,430
66.5	Explosion apparatus for sounding audible marine signals. (01.1; 82.1; 99.6.) (Section 85, *see* 9527/07)	Willson	12,438
	Group 67.—Turbines; Rotary Motors.		
67.5	Cross flow motor; rotor on vertical axis in guide cage. (90.7)	de Irabien	12,818
67.7	Annular reversible type; central drum with two radial pistons; two lateral rotary abutment drums. (60.7)	Marks	12,081
	Group 68.—Pumps for Liquids.		
68.3	Plunger pumps; two interconnected cylinders at different levels; valveless delivery pipe connected between pumps; three designs	Bowen	12,307
	Group 69.—Blowers and Compressors.		
69.1	Multiple jet hydraulic air ejectors, with baffles for atomizing the water jets; for dust extraction. (25.9.) (Section 121)	Frame	13,464
	Group 70.—Casting and Stamping.		
70.2	Casting pipes in metal moulds on annular turntable; pouring four ladles from a carriage	Custer	10,728
70.2	Casting metallic casings on wooden holdfast plugs for buildings. (78.9; 81.5)	Foster	11,724
	Group 71.—Forging, Rolling, &c.		
71.3	Three-part dies for forging anvils from T-blocks in one squeezing	Ring	12,414
	Group 73.—Sheet Metal Work.		
73.2	Expanded trellis; toothed slitting rollers (*in* 4956/06) which twist the junctions to cause helical twist and relieve strains during the spreading. (Section 121)	Crittall	13,344
73.8	Development of hinged knee-bracket rests for buckets. (36.2)	Dike	10,795
	Group 74.—Pipes and Fittings.		
74.6	Chain pipe wrench; crossed chain gripped in recess of lever	Schmidt	12,423
74.8	Float valve for troughs; float directly attached above vertical valve spindle. (61.7; 90.7)	Harkness	12,748
	Group 75.—Abrading and Polishing.		
75.3	Duplex glass bevelling machine; screw toggle gear for adjusting table slope; overhead bevelling wheels on balance sleeves. (60.8)	Cotterell	12,060
	Group 76.—Cutlery; Plate.		
76.8	Caterer's meat slicer; meat fed through adjustable clamp cylinder to the rotary knife; intermittent screw feed. (35.1)	Gunn	11,041
	Group 78.—Structural Hardware.		
78.8	Fastenings for sectional doors of box cars; hinged vertical locking plates and cross bars. (96.1)	Edman	12,419
78.9	Metal covered wood plugs and bolted plates for attaching woodwork to brickwork, &c. (70.2; 81.5)	Foster	11,724

Class.	Subject.	Name.	Number.
	Group 81.—Buildings, Streets, Fencing.		
81.5	Metal covered wood plugs and bolted plates for attaching woodwork to brickwork, &c. (70.2; 78.9)	Foster	11,724
	Group 82.—Harbours, Foundations.		
82.1	Gas buoy; explosion operated ignition device for intermittent whistle. (01.1; 66.5; 99.6.) (Section 85, *see* 9527/07)	Willson	12,438
	Group 83.—Waterworks.		
83.1	Floating absorbers of solar radiation, to produce air currents with varied saturation and promote rainfall. (00.4; 00.8.) (Section 121)	Dessoliers	13,421
	Group 90.—Wind and Flying Machines.		
90.7	Cross flow mill; vertical axis; quadrant wind shields steered by rudder; band brake released when tank float descends. (61.7; 74.8)	Harkness	12,748
90.7	Cross flow windmill; rotor on vertical axis, in fixed cage of tangential guides. (67.5)	de Irábien	12,818
	Group 92.—Marine Propulsion.		
92.2	Circular rotating oil box and grit excluder, with rubber and other packing rings abutting against bearing ends. (60.7; 60.9)	Gyler	12,297
	Group 93.—Road Vehicles.		
93.3	Brake mechanism operated by breeching straps, or by traces when horses bolt; pedal locking gear. (39.4; 39.6; 93.7)	Varley	10,671
93.7	Brake mechanism operated by breeching straps, or by traces when horses bolt; pedal locking gear. (39.4; 39.6; 93.3)	Varley	10,671
	Group 94.—Cycles.		
94.3	Handle bar bracket with forward extension for lamp holder, &c. (94.9)	Moody	10,941
94.9	Handle bar bracket with forward extension for lamp holder, &c. (94.3)	Moody	10,941
	Group 95.—Locomobiles.		
95.9	Balancing side thrust of bevel-geared train-arm balance-gear. (60.2.) (Section 121)	De Dion	13,355
	Group 96.—Rolling Stock.		
96.1	Fastenings for sectional doors of box cars; hinged vertical locking plates and cross bars. (78.8)	Edman	12,419
	Group 97.—Wheels.		
97.83	Extra flange on wheel, with attachment for spare tyres; several designs of clip bolts and broad hooks. (Section 121)	Davies	11,631
	Group 99.—Signalling.		
99.6	Military signal lamp; acetylene burner; push operated disc shutters; universal joint and turntable with stops. (00.4)	Rylatt	10,743
99.6	Audible marine signals produced by repeated gas explosions in resonating tube with whistle. (01.1; 66.5; 82.1.) (Section 85, *see* 9527/07)	Willson	12,438

Printed and Published for the Department of Patents, Commonwealth of Australia, by J. Kemp, Government Printer for the State of Victoria.

Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
„ B, Names	Issued 19 Jan., 1909
„ C, Classification	„ 26 Jan., 1909
„ D, Numerical	
„ E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages, up to Application No. 3677, 21 July.

Patents Act 1903.—First Schedule.—Fees.

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On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
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2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
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23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 10.] 1909. [No. 6.

Tuesday, 16th February.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notice.

Applications Received, 13,669 to 13,715.

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States Proceedings.

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C.1584.

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Price List of Publications.

The following publications are on sale at the Government Printing Office, Melbourne:

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NOTICE IS HEREBY GIVEN that the registered proprietors of Australian Letters Patent **No. 8045,** dated the 20th day of February, 1907, for

"IMPROVEMENTS IN LINOTYPE MACHINES"

are prepared to satisfy any demands and all requirements of the public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that **VALDEMAR POULSEN** is prepared to satisfy any demands and all requirements of the public with respect to the undermentioned Australian Patents, viz.:—

No. 692, dated 1st June, 1904.—"Improvements relating to the production of alternating currents."

No. 4432, dated 24th October, 1905.—"Improvements in receivers for wireless transmission of signals."

No. 4814, dated 13th December, 1905.—"Improvements in receiving systems for wireless transmission of signals."

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MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

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The Australian Official Journal of Patents

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VOL. 10.] 16TH FEBRUARY, 1909. [No. 6.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Qualifying Examination for Patent Attorneys	101
Commonwealth—	
Applications Received	102
Provisional Specifications Accepted	105
Complete Specifications after Provisional	105
Applications (Prov.) Lapsed	106
Applications Abandoned, &c.	106
Assignments Registered	106
Licence Registered	107
Amendment Made	107
Complete Specifications Accepted	107
Illustrated Notes	107
Printed Specifications Published	113
Commonwealth—*continued.*	
Letters Patent Sealed	114
New South Wales—	
Assignments Registered	116
Victoria—	
Renewal Fees Paid	117
Assignments Registered	117
Queensland—	
Assignments Registered	118
South Australia—	
Renewal Fees Paid	119
Assignments Registered	119
Tasmania—	
Assignments Registered	120

NOTICE.

Qualifying Examination for Patent Attorneys.

It is hereby notified that the February Examination of Candidates for registration as Patent Attorneys will be held on 22nd and 23rd February, 1909, the Time Table for the Examination being as follows:—

Day.	Hour.	Subject.
Monday, 22nd February, 1909	10 a.m.	Patent and Trade Marks Law of the Commonwealth, and the Practice of the Patent Office.
	2 p.m.	The preparation of a Provisional and Complete Specification to be attached to an Application for any kind of invention named by the Board.
Tuesday, 23rd February, 1909	10 a.m.	Patent and Trade Marks Case Law. (Inclusive of the decisions of the High Court of Australia.)
	2 p.m.	The Patent and Trade Marks Law and Practice of England and other countries.

CHARLES GIBSON,
Secretary.
Patent Attorneys Examination Board.

C.1584.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 4th to 10th February, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 4th February.

13,669. *Prov.* Albert John Fortescue, Arncliffe, N.S.W., manufacturer, and William Thomas Willington, 587 George-street, Sydney, N.S.W., electroplater,

"Improved method of and apparatus for destroying 'Opuntia' and other cactaceous growths."

13,670. *Prov.* Thomas Phillip Lumsden, 414 Lonsdale-street, Melbourne, Vic., labourer,

"Duplicate auger."

13,671. *Prov.* James John Strachan, Middledale, Corowa, N.S.W., farmer,

"Improved syphon pump."

13,672. *Comp.* John Danks and Son Proprietary Limited, 391 Bourke-street, Melbourne, Vic., brassfounder,

"An improved injector for killing root pests on vines and the like."

13,673. *Prov.* John Burns, 83 Queen's Bridge-street, South Melbourne, Vic., engineer,

"Device for fixing hanging cord to picture frames and such like."

13,674. *Prov.* Raynor Harrip, Minnecrow, near Wolseley, S.A., labourer,

"A disc device for making a furrow for the laying of poison for rabbits."

13,675. *Prov.* John Coutts, electrical mechanic, and Alfred Henry Davies, mechanical engineer, both of 4 Cargill-street, Dunedin, N.Z.,

"Improved electrical cable connector for tapping off and crossing lines."

13,676. *Comp.* Roger William Wallace, 2 Harcourt Buildings, Temple, London, Eng., barrister, and Georges Reynaud, 5 Rue Salneuve, Paris, France, engineer,

Application to bear date 4th Feb., 1908 (under Regulation 11), being the date of Application No. 10,776/08.

"Industrial utilisation of plants included in the genus 'Xanthorrhea.'"

13,677. *Comp.* Roger William Wallace, 2 Harcourt Buildings, Temple, London, Eng., barrister, and Georges Reynaud, 5 Rue Salneuve, Paris, France, engineer,

Application to bear date 4th Feb., 1908 (under Regulation 11), being the date of Application No. 10,778/08.

"Process for the treatment of barks and lamellae of the Xanthorrheas and other similar plants."

13,678. *Prov.* Herbert Charles Cooper, 91 Park-street, South Yarra, Vic., fitter and ironworker,

"An improved wrest pin for pianofortes and like musical instruments."

13,679. *Comp.* Chauncey Justus Blair, 602 Corn Exchange, National Bank Building, Chicago, Ill., U.S.A., capitalist, *assignee of* Dr. William McAfee Bruce, *act. inv.*, Chicago, Ill., U.S.A., chemist,

"Water softening apparatus."

13,680. *Comp.* Garret Patrick Kiely, 120 Orient-avenue, Jersey City, New Jersey, U.S.A., manager, and Edward Mead Johnson, 84 Crescent-avenue, Jersey City, N.J., U.S.A., manufacturing chemist (Albert Decatur Barr, *act. inv.*, 143 Eye-avenue, Jersey City, N.J., U.S.A., doctor of medicine),

"Production of new and useful ferments."

Applications received, 4th to 10th February—*continued.*

13,681. *Comp.* Ransome International Conduit Company, 11 Broadway, Manhattan, New York, U.S.A., manufacturer, *assignee of* Ernest Leslie Ransome, *act. inv.*, 11 Broadway, New York, U.S.A., president,

"Improvements in the construction of concrete work."

13,682. *Comp.* Matthew Bloomer, Beenleigh, Qld., engineer, and Joseph Atkinson Holdsworth, Brisbane, Qld., civil servant,

"The Bloomer-Holdsworth monorail railway."

Friday, 5th February.

13,683. *Prov.* Percy Pemberton, *act. inv.*, 2 Burns-street, Prahran, Vic., storeman, and Julius Staubli, 8 Mulberry-street, Richmond, Vic., traveller,

"Knife cleaner."

13,684. *Prov.* John Wilson, Tennyson-street, Orbost, Vic., labourer,

"Improvements in grindstone attachments and the like."

13,685. *Prov.* Eda Nesbitt, Swan Hill, Vic., married woman,

"Elastic spring attachment for belts, bracelets, and bands for various articles including purses, books and the like."

13,686. *Prov.* Henry Stocks, 79 Church-street, North Richmond, Vic., clerk of works,

"Vehicle wheel-lock."

13,687. *Prov.* Valentine Sachs, Glen Innes, N.S.W., mine-owner,

"An improved magnetic separator for minerals."

13,688. *Comp.* Olaf Rye Lassen, Bega, N.S.W., builder,

"An improved interceptor tank for roof-rain-water."

13,689. *Prov.* Gavin Walker, engineer, care of Edward Waters and Sons, 414-418 Collins-street, Melbourne, Vic.,

"Improvements in and relating to air-bridges of boiler furnaces."

13,690. *Prov.* John Ostberg, 10 Balston-street, St. Kilda, Vic., rubber manufacturer,

"Improvements in rubber soles and heels for attachment to boots, shoes and the like."

Saturday, 6th February.

13,691. *Prov.* Herbert Edward Thew, Rangitata, N.Z., farmer,

"An improved attachment to tine harrows for providing a seat for the operator."

13,692. *Comp.* Monotype Machine (Colonial Patents) Syndicate Limited, 43 Fetter-lane, London, E.C., Eng., manufacturer, *assignee of* John Sellers Bancroft, *act. inv.*, and Mauritz C. Indahl, *act. inv.*, both of Philadelphia, Penn., U.S.A., engineers,

"Improvements relating to automatic justifying mechanism for pattern controlled composing machines."

Monday, 8th February.

13,693. *Prov.* Archibald Leslie Gray Ekins, 29 Hindley-street, Adelaide, S.A., gun-smith,

"An improved variable speed gear."

13,694. *Prov.* Robert Elliott Kell, Moodie-street, Caulfield, Vic., printer,

"Accurate register attachment to platen printing machines."

13,695. *Prov.* Ernst Carl Surber, surveyor, and Robert Faust, merchant, both of 216 York-street, Subiaco, W.A.,

"Interlocking brick."

13,696. *Prov.* James McInnes Anderson, Coogee, W.A., gardener,

"Nozzle spreader for garden sprinklers."

13,697. *Comp.* Charles Martin Beattie. 59 Stone-street, Rochester, N.Y., U.S.A., auditor,

"Improvements in or relating to telephone apparatus."

13,698. *Comp.* Rudolph S. Pappril, 329 Queen-street, Brisbane, Qld., consulting engineer,

"System of wire rope transmission & haulage."

Applications received, 4th to 10th February—*continued.*

13,699. *Prov.* Henry KENNEY, gentleman, c/o Mrs. R. Clarke, Bower-street, Gladstone-road, South Brisbane, Qld.,

"The utility advertising kiosk."

13,700. *Prov.* John POMEROY, Tay-street, Invercargill, N.Z., inventor, temporarily of 74 Nicholson-street, Fitzroy, Vic.,

"An improved smoke arrester."

Tuesday, 9th February.

13,701. *Prov.* John OSTBERG, 10 Balston-street, St. Kilda, Vic., rubber manufacturer,

"Improved adjustable cover principally for handles of culinary utensils."

13,702. *Prov.* Walter CLEMESHA, modeller, care of Edward Waters and Sons, 414-418 Collins-street, Melbourne, Vic.,

"An improved wind-operated advertising contrivance."

13,703. Reginald Aubrey FESSENDEN, Brant Rock, Mass., U.S.A., electrical engineer,

Application under Sec. 121.

[Date applied for 31st Mar., 1908, being date of application in U.S.A., Serial No. 424,372/08.]

"Improvements in the electric transmission of energy without wires."

13,704. *Comp.* Hugo LEHMANN, 40 rue Brant, Antwerp, Belgium, merchant,

"Improvements in and relating to typewriting machines."

13,705. *Prov.* Thomas GRACE, 80 Glebe-street, Glebe, N.S.W., inventor,

"Improved supporting frame for beds bunks berths chairs tables and like furniture used on ships railway cars and like moving bodies."

13,706. *Comp.* TYPOGRAPH GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, SETZMASCHINEN-FABRIK, BERLIN, 17/20 Hutten-street, Berlin, Germany, manufacturer, *assignee of* Julius DORNETH, *act. inv.*, 29 Nostizstreet, Berlin, Germany, workmaster,

"Improvements in or relating to matrix setting and line casting machines."

13,707. *Comp.* IMBERT PROCESS COMPANY, 253 Broadway, Postal Telegraph Building, New York, U.S.A., *assignee of the act. inv.*,

"Treatment of zinc ores by the precipitation process."

13,708. *Comp.* Frederick WALTON, 114 Holborn, London, Eng., engineer,

"Improvements relating to road vehicle suspension arrangements."

13,709. *Prov.* Andrew Hector RIGG, "Andrewville," Wattle Tree-road, Malvern, Vic., architectural draughtsman, and Donald Whalley MITCHELL, "Ahtreb," Wattle Tree-road, Malvern, Vic., clerk,

"Improvements in or relating to draughtsmen's desks, tables or the like."

13,710. *Prov.* John Gavan REILLY, Post Office, Shepparton, Vic., postmaster,

"Improved mail bag and delivery label."

13,711. *Comp.* William Percival HARTNETT, Yerrin-street, Balwyn, Vic., engineer,

"Improvements in milking machines."

13,712. *Prov.* Henry Edwin McDONALD, 263-269 Kent-street, Sydney, N.S.W., merchant,

"Improvements in projectiles."

13,713. *Prov.* THE KONOMAX ROCK DRILL SYNDICATE LIMITED, Consolidated Building, Johannesburg, Transvaal, S. Af., *assignee of* Wilhelm MAUSS, *act. inv.*, Victoria Falls Power Company Limited, Johannesburg, Transvaal, S. Af., engineer,

"Improvements in valveless engines."

Wednesday, 10th February.

13,714. *Prov.* Robert HOULDEN, 105 Johnston-street, Fitzroy, Vic., dealer,

Application under Sec. 85, additional to 8012/07.

"Improvements in motor-vehicle wheels."

13,715. *Comp.* Cyrille CÔTE, 24 Rue de Navarin, Paris, France, engineer,

"Improvements in two cycle explosion motors."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

12,098. Sims, E., *Bond-street*, Benalla, Vic.
Improved wire cut brick press.
12,630. Scott, R.
Combination negative lens, for projecting a positive image in any size.
12,975. Robert Reid & Co. Ltd. (Mayze)
13,118. Taylor, A. R.
Improved white ant exterminator eradicator and disinfectant.
13,199. Warbrook, W.
13,236. Short, E. L.
13,297. Munn, W. F.
13,300. Edwards-Smith, W.
13,314. Jones, F. R.
13,330. Hunt, H.
13,358. F. Marriott & Son Pty. Ltd. (Marriott)
13,378. Un. Shoe Mach. Co. (Casgrain)
13,394. Trenwith, M.
13,405. Brennan, G., & Skinner, Ida B.
13,408. Un. Shoe Mach. Co. (Engel & Brown)
13,409. Un. Shoe Mach. Co. (Eaton)

1909.

13,442. Wilkinson, R.
13,446. Warren, G. R., & Freeman, H. G.
13,460. Willmore, C. H.
13,461. Walker, H. J.
13,463. Perdriau Rubber Co. (Daniell)
13,467. Flintoff, F.
13,469. Murnane, C.
13,471. Deslandes, A. W.
13,473. Starr, J. G.
13,474. Goldsmith, W.
13,478. Kinnear, G. E.
13,482. Doxey, A.
13,483. Ryan, Mary A.
13,486. Lloyd, A. H., & Mander, A.
13,490. Joyce, J.
13,493. Baird, A. L.
13,494. Baker, C.
13,496. O'Brien, T. E.
13,498. Huie, G.
13,502. Champ, R.
13,504. Pomeroy, J.
13,507. Green, G. W.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,198. Benjamin Frederick Henry Dawson, 202 Australia-street, Camperdown, N.S.W., formerly of 43 York-street, Fitzroy, Vic., carpenter,

"An improved method of and apparatus for the generation of acetylene gas for lamp lighting purposes." 4th Feb., 1909.

11,229. Herbert Higson and Harold Turner Higson, both of 129-131 Flinders-lane, Melbourne, Vic., warehousemen,

"An improved milk bucket." 8th Feb., 1909.

11,389. Albert Macdonald, Foster-street, Parkside South, S.A., telegraphist,

"An improved telegraphic transmitter." 9th Feb., 1909.

11,451. Stephen Priest, Devonport, Tas., architect,

"Improved apparatus for cleaning and grading seed and other like small substances." 5th Feb., 1909.

11,465. Feltham Bold Watson, 55 Armadale-street, Armadale, Vic., farmer,

"A postern or wicket to a door." 9th Feb., 1909.

11,593. Robert Gray, Hyde-street, Adelaide, S.A., furniture manufacturer,

"A new or improved cushion for use in billiards and other games played with a cue and balls." 4th Feb., 1909.

13,131. Walter Carlisle, 38 Pakington-street, St. Kilda, Vic., mechanic, *assignee of* Thomas Phillips, *act. inv.*, 1 Cyril-street, Windsor, Vic., painter,

"Vehicle wheel-lock." 10th Feb., 1909.

13,158. Frederick William Wallace, Post Office, Benalla, Vic., saddler,

"Improvements in or associated with animal bridles and their connections." 8th Feb., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38

1908.

11,200. Sewell, G. W.
11,207. Horsley, A. C. (Elgar)
11,208. Murdoch, J., & Daglish, T.
11,220. Collins, J.
11,224. Mills, G. (Corbett)
11,225. Noack, M. S.
11,230. Nicholls, B. S. & J. H.
11,231. Giesen, W. B., & Ryan, E. T.
11,232. Gunn, A.
11,233. Kempster, G. J.
11,234. O'Callaghan, J. H.
11,241. Crawford, H. R.
11,242. Bourke, P.
11,244. Rosenblum, I. A.
11,246. Greenham, A.
11,247. Bridger, E., & Cromie, A. J.
11,248. Schwartz, P. (Zeunert)
11,249. Robins, W. H.
11,250. Geake, W. H. G.
11,251. Plucknett, S. G.
11,252. McBride, T. J.

Applications Abandoned, Withdrawn, &c.

1907.

10,148. *C.a.P.* (*Lapsed.*) Agnes Stewart Stewart, Langridge-street, Alphington, Vic., married woman,

"An improved frying pan cover."

1908.

11,699. *Comp.* (*Abandoned.*) Thomas Dobbin, Bourbong-street, Bundaberg, Qld., cycle manufacturer,

"An improved bicycle coaster and brake."

13,008. *Comp.* (*Abandoned.*) John Blum, *act. inv.*, 7 Rue St. Boniface, Brussels, Belgium, doctor of chemistry, and Alfred William Carpenter, *assignee*, 28 Bedford-street, London, Eng., banker,

"Improvements in and relating to the manufacture of artificial Pará rubber."

Assignments Registered.

1908.

10,811. "Improved method of and means for justifying tabular matter in linotype machines."

Assignment of the whole *by* Edward Needham Waters *to*

Linotype and Machinery Limited. Dated 11th Nov., 1908 Registered 3rd Feb., 1909.

10,812. "Improvements in typographical composing and distributing machines."

Assignment of the whole *by* Edward Needham Waters *to*

Linotype and Machinery Limited. Dated 11th Nov., 1908. Registered 3rd Feb., 1909.

11,197. "An improved process for the extraction of gold."

Assignment of the whole *by* Edward Goderick Greeves *to*

Edward Goderick Greeves, Robert Campbell, Edward Campbell (one-fourth share each), and Johanna Campbell and Samuel George Banfield (one-eighth share each). Dated 21st Nov., 1908. Registered 28th Jan., 1909.

Licence Registered.

1906.

6875. "An improved power gear."

Licence granted *by* Richard John Fry *to*

Alfred James Cooper and Leslie John Cooper, of Illawarra-road, Auburn, Vic., for the unexpired term of Letters Patent, so far as it applies to "Forest Devil" purposes. Dated 30th July, 1907. Registered 28th Jan., 1909.

Amendment Made.

1907.

9936. 7 Oct. Edward Spencer, *applicant*, of Walton House, Brunswick-road, West Brunswick, Vic. In pursuance of leave granted on the 8th Feb., 1909, the above-numbered Specification has been amended in the manner set forth in p. 850 of Vol. 8 of this *Journal*, dated 31st Dec., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,729. Brunt.
10,776. Wallace.
10,777. Wallace.
10,778. Wallace.
10,822. Hanrahan.
10,965. Rafferty.
10,967. Warner.
10,971. Cisewski.
11,161. Tyree.
11,203. Brooks.
11,223. Porteous.
11,636. Anderson.
11,849. Boyland.
12,465. Taylor.
12,466. Taylor.
12,535. Brandenburg.
12,549. Hughes.
12,555. Malley.
12,643. Reeves.
12,645. Dreadon.
12,722. Hutchinson.
12,825. Heine.

1909.

13,676. Wallace.
13,677. Wallace.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patent Act 1906, or by other circumstances, the particulars are stated.

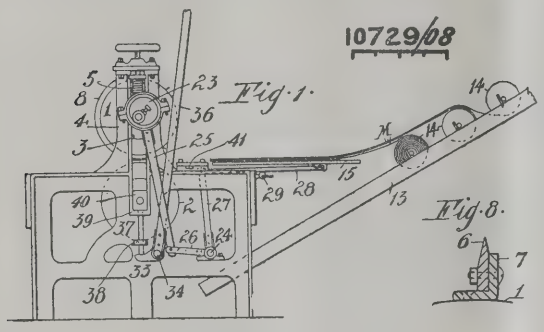
Complete Specifications Accepted—*continued.*

1908.

10,729. 28 Jan. R. J. Brunt, J. Burns, and P. V. Sharp, New Zealand.

Class 43.1.

Machine for cutting textile material to pattern. Pair of adjustable rollers, upper one provided with cutting blades, for cutting several thicknesses of material simultaneously; feed gear, &c.



9 figures, 12 claims.

10,776. 4 Feb. R. W. Wallace, England, and G. Reynaud, France.

Classes 09.1; 33.1.

Extracting sugar and alcohol from the ligneous portion of the xanthorrhoea.

No drawing, 2 claims.

10,777. 4 Feb. R. W. Wallace, England, and G. Reynaud, France.

Classes 09.4; 47.5; 47.6.

Artificial rubber, gutta-percha, &c., by treating gum-resins with hot oil bath.

No drawing, 4 claims.

10,778. 4 Feb. R. W. Wallace, England, and G. Reynaud, France.

Classes 0.94; 47.6.

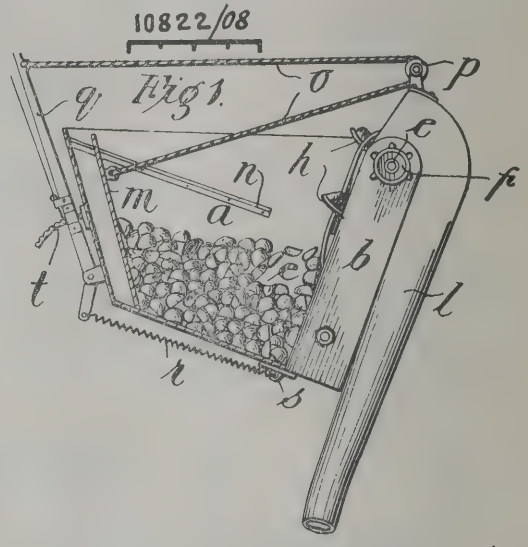
Extracting gum-resins and sugar-resins from the bark and lamellae of the xanthorrhoea.

No drawing, 3 claims.

10,822. 11 Feb. T. Hanrahan, Victoria.

Class 31.1.

Potato planter: Seed hopper with conveyor chain fitted with fingers attached to cross rods conveying the potatoes into the shoot. As the hopper empties the potatoes are forced against the conveyor by the lever.

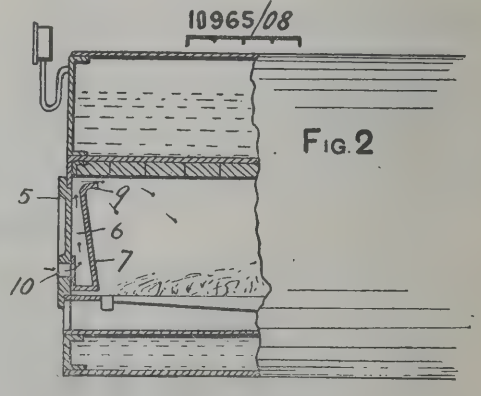


7 figures, 7 claims.

10,965. 2 Mar. M. and J. Rafferty, New South Wales.

Class 17.7.

Air heating chamber on inner face of furnace door; flared discharge; dampers.



3 figures, 3 claims.

Complete Specifications Accepted – *continued.*



10,967. 3 Mar. T. Warner and J. Kannuluik, Victoria.

Class 59.2.

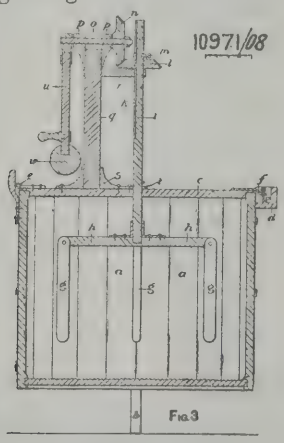
Weight closed flexible floors, opened by cams attached to top and bottom of car.

7 figures, 6 claims.

10,971. 3 Mar. A. C. Cisewski, Victoria.

Class 25.2.

Washing machine: Oscillating scrubber on vertical axis. Oscillating weighted handle and bevel gearing.



3 figures, 3 claims.

11,203. 6 Apr. T. Brooks, N. S. Wales.

Class 15.1.

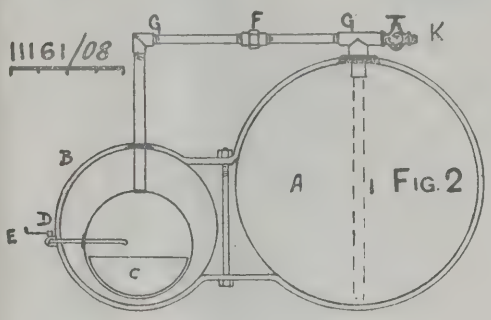
Adding sand to argillaceous material and burning same prior to cyaniding.

No drawing, 2 claims.

11,161. 30 Mar. W. Tyree, N. S. Wales.

Classes 38.9; 68.9.

Spraying by acetylene gas pressure, or fumigating with acetylene carrier: Horizontal water cylinder **B** with tap connexion **E, D**, to internal carbide cylinder **C**, which is connected by pipe **G** to a horizontal cylinder **A** containing the spraying mixture or volatile poisons.

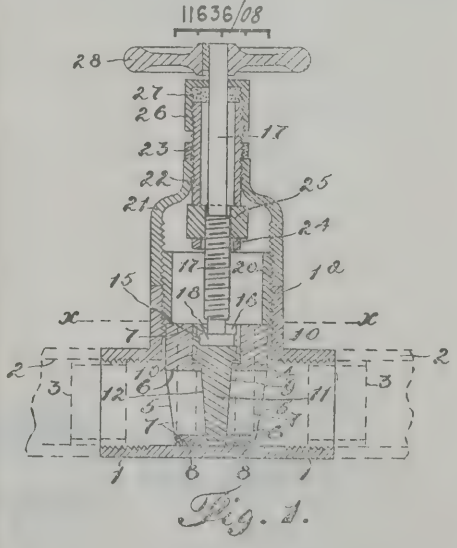


4 figures, 1 claim.

11,636. 2 June. F. Anderson and I. Bevan, Transvaal, South Africa.

Class 74.7.

Screw-down wedge gate and seating for converting standard pipe tees, &c., into a straightway valve.



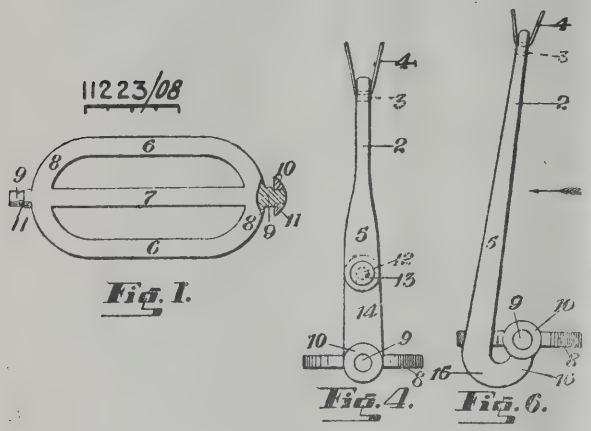
5 figures, 6 claims.

Complete Specifications Accepted—*continued.*

11,223. 7 Apr. A. Porteous, Victoria.

Class 39.8.

Safety stirrup; footplate pivoted to sides. 3 designs.

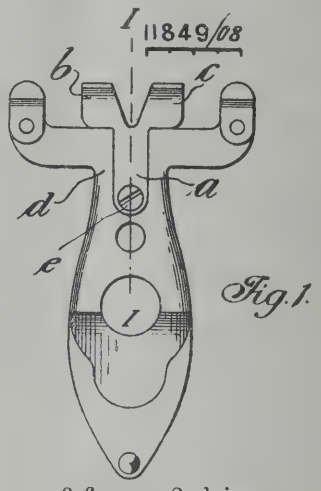


7 figures, 3 claims.

11,849. 29 June. J. W. Boyland, New South Wales.

Class 37.6.

Forked comb-spring, with adjusting screw; for broad combs.



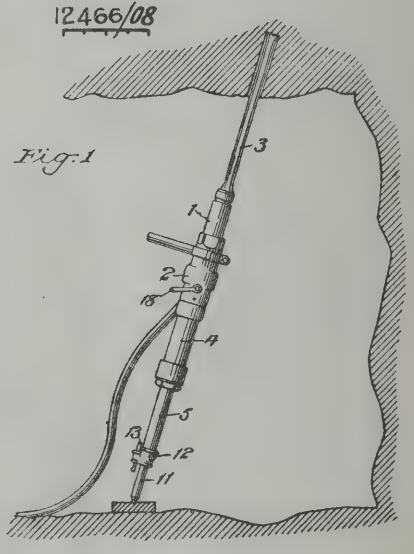
3 figures, 2 claims.

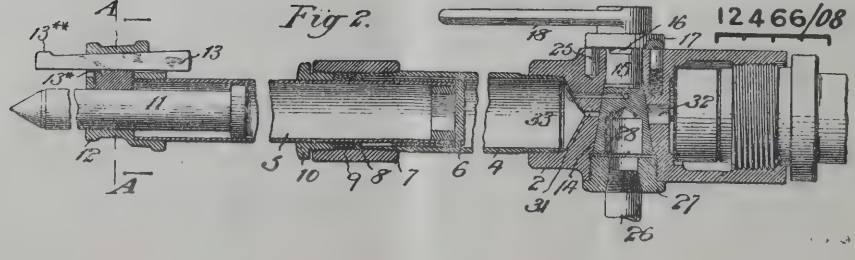
12,466. 9 Sept. Ingersoll-Rand Company (A. H. Taylor, U. S. America).

Classes 85.4; 85.8.

Hammer drill with combined air pressure feed and telescopic column.

12 figures, 3 claims.



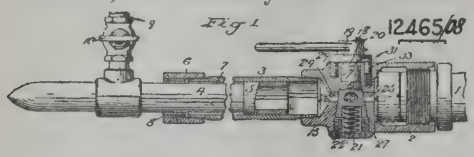


Complete Specifications Accepted—*continued.*

12,465. 9 Sept. Ingersoll-Rand Company (A. H. Taylor, United States of America).

Class 85.4.

Hammer drill: Combined air pressure feed and column; automatically locked control valve.

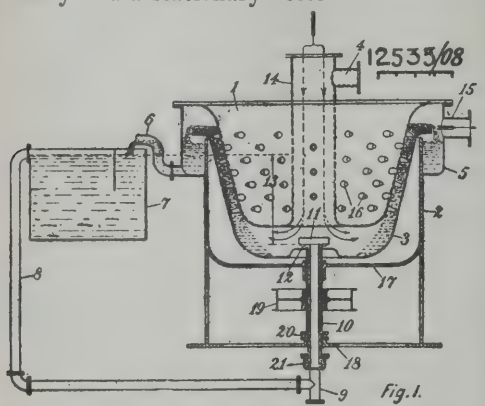


5 figures, 3 claims.

12,535. 17 Sept. F. Brandenburg, Germany.

Class 21.5.

Purifying or absorbing gases by passing through a ring of liquid in circulation between a rotary and a stationary vessel.

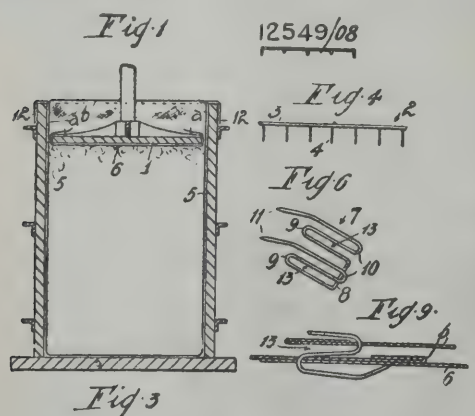


1 figure, 2 claims.

12,549. 19 Sept. P. R. Hughes, Victoria

Classes 57.3; 58.4.

Bale fastening: Use of temporary forks, folding over opposite pairs of flaps of woolpack after raising of monkey plate, and fastening with wire hooks.

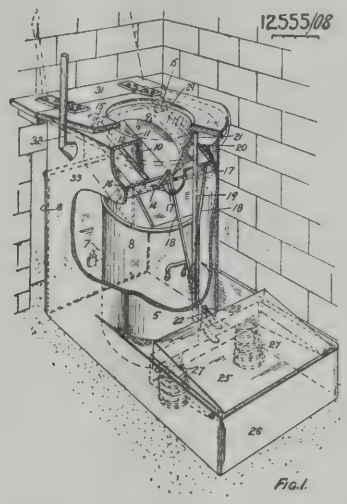


9 figures, 5 claims.

12,555. 21 Sept. F. Malley, New South Wales.

Class 86.3.

Earth closets: Hinged seat and spring foot board operating trap doors under seat hopper by cranks and levers from a slidable vertical rod.

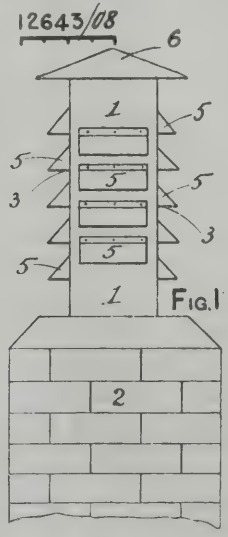


4 figures, 8 claims.

12,643. 30 Sept. A. Reeves, Tasmania.

Class 17.1.

Rectangular chimney top: Hooded openings alternating between opposite pairs of sides.



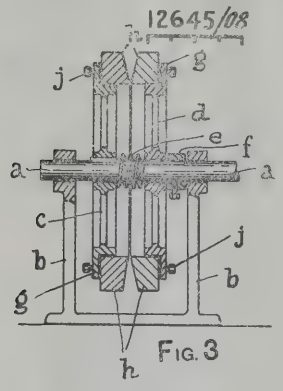
2 figures, 2 claims.

Complete Specifications Accepted—*continued.*

12,645. 1 Oct. J. S. Dreadon, N.Z.

Class 75.2.

Grinding both edges of tool: Divided pulley **d** with pair of bevelled grinding rims **h** and medial extension spring **e**.

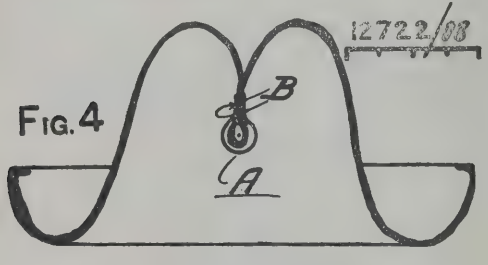


3 figures, 3 claims.

12,722. 9 Oct. A. J. Hutchinson, New South Wales.

Class 43.8.

Spring metal clip to support the crown crease in soft-felt hats.

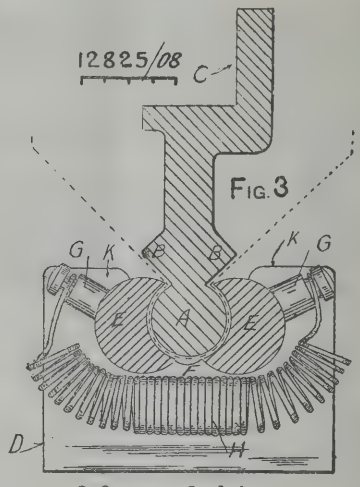


4 figures, 1 claim.

12,825. 20 Oct. J. Heine, N. S. Wales.

Class 73.2.

Ridge capping forming dies: Vertical striker die **A** enters rolling crescent counterpart dies **E** which close on metal sheet (dotted lines). The retractor spring or weighted levers release capping on upward stroke of shank **C**.



3 figures, 3 claims.

1909.

13,676. 4 Feb. R. W. Wallace, England, and G. Reynaud, France.

Dated 4th Feb., 1908, as No. 10,776/*08*.

Classes 09.4; 47.6.

Extracting gums and resins from the bark and lamellae of the xanthorrhoea by dissolving in alcohol.

No drawing, 2 claims.

13,677. 4 Feb. R. W. Wallace, England, and G. Reynaud, France.

Dated 4th Feb., 1908, as No. 10,778/*08*.

Class 09.4.

Extracting camphors and balsams from the lamellae of the xanthorrhoea by wet distillation.

No drawing, 2 claims.

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 41, comprising Applications numbered from 5000 to 8199 are now complete with title pages, &c.

Vols. 42 to 45 comprise Applications from 8200 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4724. T. G. Haigh. *Whisking machine.* Class 76.8.

4727. J. J. Gilday. *Pump.* Classes 60.7; 68.7; 69.6.

4730. C. A. Parsons and Others. *Steam turbines.* Classes 67.2; 71.6; 72.3.

4731. R. H. Easdown. *Mailbag seal-lock.* Classes 54.3; 77.7.

4732. A. H. McNeil. *Electric fire alarms.* Classes 00.7; 99.7.

4734. H. P. Ball. *Tracker-board.* Class 01.6.

4735. Electric and Train Lighting Synd. Ltd. (Deutsch). *Transmitting power.* Classes 02.3; 60.2; 96.4; 96.8.

4738. V. L. Rice. *Bearings.* Class 60.8.

4742. G. N. Fox. *Cigar perforator.* Class 33.5.

4743. S. Herring (Phillips). *Cash carrier.* Class 59.4.

1907.

8000 to 8199. Vol. 41. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:— 8009-10, 8021-2, 8032-5, 8041, 8048-9, 8061-2, 8070-2, 8092, 8106-7, 8112-4, 8126, 8154-8, 8168.

8910. A. B. Grund. *Ploughs.* Class 30.3.

8945. Manufacturers Machine Company (Stewart). *Pulling-over machines.* Class 44.5.

9011. J. K. Osborn. *Tobacco pipes.* Class 33.5.

9018. Manufacturers Machine Company (Seely). *Lasting machines.* Classes 44.5; 78.1.

9058. H. Stonz. *Wire weaving.* Classes 58.3; 58.5.

9276. E. A. Scammell. *Poisonous bait.* Class 38.9.

9399. G. Hemingway. *Paint mixer.* Classes 10.8; 79.3.

9805. R. Sinclair. *Chocolate confectionery.* Classes 29.7; 33.8; 34.8.

9863. Blanc and Caton. *Illuminating gas.* Classes 21.1; 21.4; 21.5.

9958. E. N. Waters (Stilwell). *Packaging machine.* Classes 48.5; 57.4; 60.5.

10,273. A. Petracchi. *Concrete barrels.* Classes 57.2; 81.2.

10,379. The Seay International Ice & Refrigeration Machinery Co. (Seay). *Ice production.* Classes 29.4; 29.5.

10,460. C. Christie. *Typewriters.* Class 50.4.

10,518. Fleming and Gibson. *Gas from oils.* Classes 21.4; 66.5.

Printed Specifications Published—*continued.*

1908.

10,650. M. Rosenthal. *Heating rooms.* Classes 23.5; 24.2.
10,810. R. Laigle. *Incandescent mantles.* Classes 19.4; 23.5.
10,813. E. Clemens Horst Company (Horst). *Hop-picker, &c.* Classes 32.3; 32.6.
10,874. E. H. Shortman. *Extracting zinc.* Classes 15.6; 16.2.
10,895. M. P. V. Delage. *Incandescent mantles.* Class 23.5.
10,980. P. Richert. *Fare indicators.* Classes 56.2; 56.6.
11,046. F. A. L. Hall. *Monotype mould-blades.* Class 50.5.
11,071. H. G. Nichols. *Slimes-separator.* Class 14.7.
11,077. J. R. Preston. *Hot water supply.* Class 81.6.
11,078. H. Auchu. *Cartridge rope.* Classes 10.8; 60.2; 62.7; 89.8.
11,082. The Birmingham Small Arms Co. Ltd. (Driver and Norman). *Bolt-action rifles.* Class 89.3.
11,110. L. D. York. *Pulverizing mills.* Class 10.3.
11,111. F. J. Hobson (Officer). *Carbureted air.* Classes 21.4; 23.7; 74.8.
11,115. G. H. Friend. *Pedal footgrip.* Class 94.9.
11,196. P. A. Walsh. *Tube mill linings.* Class 10.3.
11,243. D. Reddan. *Leather from hides.* Classes 47.2; 47.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*4 February, 1909.*			
10,956	2 Mar.	G. P. Innes	N.S.W.	Carbureter air valves ...	151
11,019	11 Mar.	H. Lee	N.S.W.	Rotary engine	172
11,077	18 Mar.	J. R. Preston	Eng.	Hot water supply ...	189
11,154	27 Mar.	W. H. Yabsley ...	N.S.W.	Springs for vehicles ...	218
11,155	27 Mar.	W. H. Yabsley ...	N.S.W.	Buggy seat	218
11,418	4 May	L. F. Bullôt (Griffiths) ...	N.S.W.	Skylights	303
11,643	2 June	J. H. Allen	N.S.W.	Filling bottles, &c. ...	372
11,770	19 June	A. C. Maddy	N.S.W.	Gold recovery	423
11,820	24 June	W. Beresford	Eng.	Time registers	426
11,860	29 June	F. and H. Dallemagne ...	Spain	Ore concentrator, &c. ...	440
11,882	1 July	J. Blau	N.S.W.	Projecting scents, &c. ...	441
11,923	8 July	R. Scherl	Germany	Raising, &c., vehicle wheels	456
11,924	8 July	R. Scherl	Germany	Gyroscopic single-track vehicle	456
12,089	28 July	I. F. Taylor & S. Pick...	Eng.	Cranes, fire-escapes, &c. ...	508

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*5th February, 1909.*			
9925	5 Oct.	H. V. McKay (Garde) ...	Vic.	Locking plough wheel posts	458
9935	7 Oct.	W. Hardwick	W.A.	Rim for horse collars ...	427
		8th February, 1909.			
9936	7 Oct.	E. Spencer	Vic.	Projectiles, &c.	458
9938	7 Oct.	D. McD. Broughton & C. C. O. Van Lennep	Eng.	Frictional driving gear ...	632
	1908.				
11,698	11 June	F. Wattne (Rödder) ...	Norway	Can openers	407
11,886	2 July	W. Rowbotham ...	Canada	Carpet cleaners	454
	1906.	*9th February, 1909.*			
7670	28 Dec.	E. L. Yencken (Crane) ...	U.S.A.	Securing sheets of glass ...	494
	1907.				
10,059	21 Oct.	J. Rodger, R. Darby, and J. Waltho	Vic.	Filter	494
	1908.				
10,663	17 Jan.	J. T. Needham ...	Qld.	Sugar cane harvester ...	614
12,150	5 Aug.	The British Stone & Marble Co. Ltd. (Thom)	Eng.	Artificial lithographic stone	524
12,187	10 Aug.	T. Willmot	N.S.W.	Earth paring implement ...	539
12,202	10 Aug.	J. T. Wallis	N.S.W.	Horse crushes	540
	1907.	*10th February, 1909.*			
9979	10 Oct.	A. J. Sorensen ...	N.S.W.	Racing hurdle	650
9980	10 Oct.	J. Rhodes	N.S.W.	Scouring, &c., wool ...	650
9981	10 Oct.	P. Pickering	N.Z.	Adjustable wall hook ...	650

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignments Registered.

1896.

6842. "Linotype machine."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

6867. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1899.

8971. "Improvements in electrical heating and melting specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

9631. "Improvements in machines for making printing bars."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

9731. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

9732. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1900.

10,106. "Improvements in carving machines."

Assignment of the whole *by* Henry Marles and George Weller Butt, *to*

The Australasian Marbut Carving Company Proprietary Limited. Dated 7th Oct., 1907. Registered 28th Jan., 1909.

10,672. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

10,674. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1901.

10,719. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,683 ...	Beale, O. C. ...	4th Nov., 1915

1902.

18,957 ...	T. Robinson & Co. Pty. Ltd.	8th Feb., 1916
18,958 ...	T. Robinson & Co. Pty. Ltd.	8th Feb., 1916
18,978 ...	Hulburd, P.	18th Feb., 1916
19,036 ...	Scott, T.	7th Mar., 1916

Assignments Registered.

1896.

13,425. "Linotype machine."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

13,463. "Improvements in linotype machines and in the method of spacing out a composed line of matrices."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

1899.

15,870. "Improvements in electrical heating and melting apparatus specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

1901.

18,157. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

18,196. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

18,197. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 28th Jan., 1909.

1903.

21,144. "Improvements in or relating to channel flap laying machines."

Assignment of the whole *by* John Benjamin Hadaway *to*

United Shoe Machinery Company. Dated 24th Nov., 1908. Registered 28th Jan., 1909.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Assignments Registered.

1899.

4780. "Improvements in electrical heating and melting specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

5246. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

5247. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

5292. "Improvements in machines for making printing bars."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1900.

5808. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

5810. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1901.

5836. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to–
7597/5630	... Carlson, S.	... 25th Mar., 1916
7598/5631	... Carlson, S.	... 25th Mar., 1916

Assignments Registered.

1896.

4433/3367. "Linotype machine."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

4444/3376. "Linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1899.

5576/4307. "Improvements in electrical heating and melting specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

6176/4572. "Improvements in machines for making printing bars."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

6232/4616. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

6233/4617. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1900.

6854/5093. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

6856/5095. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1901.

6891/5125. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

7063/5249. "Improvements in and relating to up-draught cowls."

Assignment of the whole *by* William Charles Tyler, as executor of Arthur Iorwerth Joseph (deceased) *to*

Hugh Winch Wormal and James Minto. Dated 1st Oct., 1908. Registered 4th Feb., 1909.

1903.

8765/8765. "Improvements in or relating to channel flap laying machines."

Assignment of the whole *by* John Benjamin Hadaway *to*

United Shoe Machinery Company. Dated 24th Nov., 1908. Registered 28th Jan., 1909.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Assignments Registered.

1899.

2360. "Improvements in electrical heating and melting specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

2618. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

2619. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

2643. "Improvements in machines for making printing bars."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1900.

2937. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

2939. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

1901.

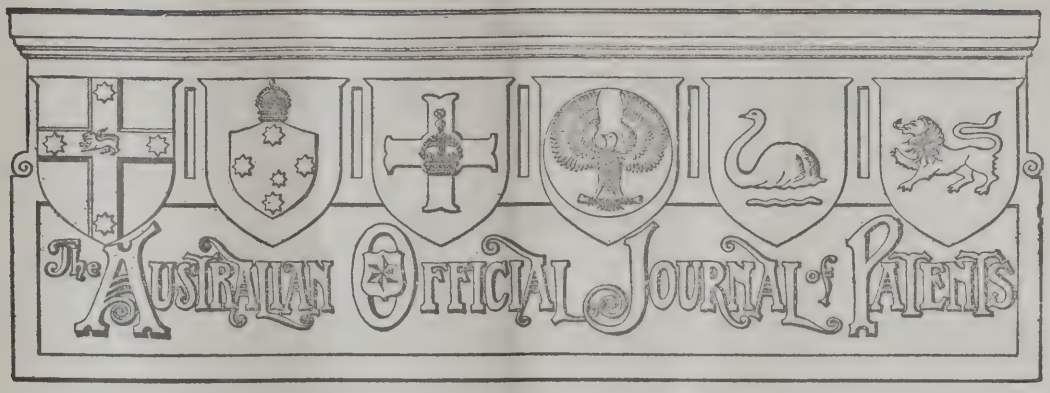
2959. "Improvements in linotype machines."

Assignment of the whole *by* The Linotype Company Limited (in liquidation) and Edwin Lewis Booty, liquidator, *to*

Linotype and Machinery Limited. Dated 14th Dec., 1908. Registered 3rd Feb., 1909.

GEORGE TOWNSEND,
Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	
,, E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages, up to Application No. 3677, 21 July.

Patents Act 1903.—First Schedule.—Fees.

As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
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Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
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16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
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21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

608
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Vol. 10.] 1909. [No. 7.

Tuesday, 23rd February.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.

Applications Received, 13,716 to 13,783.

Commonwealth Proceedings.

States Proceedings.

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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto Collins-street, Melbourne.

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NOTICE IS HEREBY GIVEN that **VALDEMAR POULSEN** is prepared to satisfy any demands and all requirements of the public with respect to the undermentioned Australian Patents, viz.:—

No. 692, dated 1st June, 1904.—"Improvements relating to the production of alternating currents."

No. 4432, dated 24th October, 1905.—"Improvements in receivers for wireless transmission of signals."

No. 4814, dated 13th December, 1905.—"Improvements in receiving systems for wireless transmission of signals."

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 11th to 17th February, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 11th February.

13,716. *Comp.* William Turnbull, Lambton Quay, Wellington, N.Z., architect,

"Improvements in flushers for water closets and the like."

13,717. *Comp.* Joseph Francis Studholme, Ruanui, N.Z., engineer,

"An improved rotary engine."

13,718. *Prov.* Richard Bartholomew Cotton, Wrightville, N.S.W., miner,

"Improvements in and relating to acetylene gas generators and a stationary or portable spray combination."

13,719. *Comp.* Thomas Edwards, Webster-street, Ballarat, Vic., metallurgist,

"Improvements in apparatus and process for treatment of auriferous and other metalliferous matter by solvents."

Friday, 12th February.

13,720. *Prov.* Newton Roberts Gordon, 437 Collins-street, Melbourne, Vic., engineer,

"Improvements in flying machines."

13,721. *Prov.* William John Mounsey, 30 Fraser-street, Richmond, Vic., labourer, and Joseph Hughes, 29 Waverley-street, Richmond, Vic., music teacher,

"An improved spark arrester for locomotives and other engines."

13,722. *Prov.* William Sim, Scotch Thistle Hotel, North Adelaide, S.A.,

"Granolithic mastic finished pavement."

13,723. *Prov.* William Ernest Stowe, c/o *Daily News*, St. Georges-terrace, Perth, W.A., journalist,

"Stowe's patent steel venetian blinds."

13,724. *Prov.* Ronald McDonald, Heathcote, Vic., cycle builder,

"Improvements in candlesticks and the like."

13,725. *Prov.* John Pomeroy, Tay-street, Invercargill, N.Z., inventor, temporarily of 74 Nicholson-street, Fitzroy, Vic.,

"Improvements in starting gates or barriers for horse races and the like."

13,726. *Prov.* Arthur Carson, 352 Collins-street, Melbourne, Vic., machinist,

"A double-acting automatic maxim machine gun."

13,727. *Prov.* Percy Tilt Letchford, "Scarborough," Coogee, N.S.W., agent,

"Patent skewer extractor."

Saturday, 13th February.

13,728. *Prov.* Oswald Thomas Madeley, Corindhap, Vic., watchmaker,

"An improved fish hook."

13,729. *Prov.* William Lewis Plummer, "St. Clair," Ramsay-road, Haberfield, N.S.W., merchant tailor,

"Improvements in neck bands for shirts."

13,730. *Prov.* Frederick James Morris, Whittlesea, Vic., grazier,

"Improved apparatus for aerating and cooling liquids."

Applications received, 11th to 17th February—*continued.*

Monday, 15th February.

13,731. *Prov.* John Smith, Upper Murray, *viâ* Wodonga, Granya Post Office, Vic., miner,

Application under Sec. 85, additional to 7372/06.

"Improvements in flood-gates for use with fencing and irrigation drains."

13,732. *Prov.* Thomas James William Kenny, medical practitioner, care of Edward Waters and Sons, 414-418 Collins-street, Melbourne, Vic.,

"A droppings receiver for harness horses."

13,733. *Prov.* Murray Francis Edwards, and Michael McGinness (Edwards & McGinness), 571 Elizabeth-street, Melbourne, Vic., manufacturers,

"An improved rabbit exterminator."

13,734. *Prov.* Murray Francis Edwards, and Michael McGinness (Edwards & McGinness), 571 Elizabeth-street, Melbourne, Vic., manufacturers,

"An improved knot maker and wire key."

13,735. *Prov.* Fredrick Lionel Eldred Pottinger, farmer, care of Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved oscillating or semi-rotary pump."

13,736. *Prov.* Richard John Price, 36 Auburn-road, Hawthorn, Vic., and Henry Albert Beswicke, 33 Godfrey-street, Melbourne, Vic., manufacturers,

"An attachment for rendering chemical fire extinguishers both automatic and usable by hand."

13,737. *Prov.* Charles Orenshaw, Seville, Vic., dairyman,

"An improved device for imparting power to winding drums and such like mechanism particularly applicable to machines for extracting stumps."

13,738. *Prov.* James John Strachan, Middledale, near Corowa, N.S.W., farmer,

"Improved syphon pump."

13,739. *Prov.* Thomas McDonough, 42 Smith-street, Collingwood, Vic., warehouseman,

"Improvements in bedsteads."

13,740. *Prov.* William Henry Gregory Geake, Vickery's Chambers, 82 Pitt-street, Sydney, N.S.W., manufacturer's agent,

"Improved means of adjusting length of shirt sleeve."

13,741. *Prov.* Jacob Charles Russell, Ohiro-road, Brooklyn, Wellington, N.Z., superintendent, and Albert Frederick Lord, Todman-street, Brooklyn, Wellington, N.Z., line inspector,

"An improved splicing ear for electricity conductors."

13,742. *Prov.* Jacob Charles Russell, Ohiro-road, Brooklyn, Wellington, N.Z., superintendent, and Albert Frederick Lord, Todman-street, Brooklyn, Wellington, N.Z., line inspector,

"An improved section insulator for electric tramways."

13,743. *Prov.* Charles Cromwell, Longreach, Qld., watchmaker and jeweller,

"Roller dies, their formation and angle of rolling."

13,744. *Prov.* Samuel William Pearce, Hawthorn, S.A., prospector,

"An improved device for minimising and preventing collisions between vessels."

13,745. *Prov.* Robert Gray, Hyde-street, Adelaide, S.A., furniture manufacturer,

"An improved washing machine."

13,746. *Prov.* Joseph Edwin Thyer, North East-road, Medindie, S.A., commercial traveller, and Randolph Carroll East, Mallala, S.A., machinist,

"Improved method of attaching discs to cultivating implements for facilitating their passage over or around stumps and other obstructions."

13,747. *Prov.* John Cuthbert, *act. inv.*, 104 Hanna-street, South Melbourne, Vic., manufacturer, and Sydney Charles Stubbs, *assignee*, 454 Flinders-street, Melbourne, Vic., merchant,

"An improved apparatus for washing and draining glasses and like drinking vessels."

Applications received, 11th to 17th February—*continued.*

13,748. *Prov.* Henry Charles Gordon, bootmaker, care of Messrs. Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improvement in or relating to boots."

13,749. *Prov.* Henry Charles Gordon, bootmaker, care of Messrs. Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improvement in or relating to shoes."

13,750. *Prov.* Herbert Credgington, 346 Flinders-street, Melbourne, Vic., importer and manufacturers' agent,

"An improved boot paste application pad."

13,751. *Prov.* John Kenneth Finlay and Eric Corney, both of 82 William-street, Melbourne, Vic., students,

"An improved three way cock."

13,752. *Comp.* Samuel George Pluckett, Hermitage-road, Ryde, N.S.W., mining engineer,

"Improvements in process and apparatus for the production of poisonous fumes specially useful in the destruction of rabbits and like vermin."

13,753. *Prov.* Hugh Campbell, 312 City-road, South Melbourne, Vic.,

"An improved washing machine."

13,754. *Comp.* Alexander John Arbuckle, *act. inv.*, mechanical engineer, and Alfred Osborne, *assignee*, mine manager, both of 1 Main-street, Belgravia, near Johannesburg, Transvaal, S. Af.,

"Improvements in means for separating crushed ore products or other comminuted solid matter from liquid."

13,755. *Prov.* Oscar Wright, Marulan, N.S.W., grazier,

"Improved means for producing charcoal."

13,756. *Prov.* Hugh Victor McKay, Sunshine Harvester Works, Sunshine, Vic., machinery merchant, *assignee of* Alexander Frazer, *act. inv.*, Wright-street, Sunshine, Vic., and Peter Bryant Richards, *act. inv.*, 16 Cowper-street, Footscray, Vic., blacksmiths,

"Improvements in drag leveller appliance for seed drills."

13,757. *Prov.* Thomas McDonough, 42 Smith-street, Collingwood, Vic., warehouse man,

"Improvements in wire-mattresses."

Tuesday, 16th February.

13,758. *Prov.* Frank Vallely, farmer, c/o Simpson & Fricke, Lydiard-street, Ballarat, Vic.,

"International resilient wheel."

13,759. *Comp.* Victor Automatic Carriers Limited, 165 St. James-street, Montreal, Quebec, Canada, *nominee of the act. inv.*,

"Improvements in newspaper carriers."

13,760. *Prov.* Reginald William Allen, Emily-street, Murrumbeena, Vic., commercial traveller,

"An improved beater for extinguishing bush fires."

13,761. *Prov.* Thomas Francis Curley, farmer, care of Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"Improvements relating to or connected with the releasing of animal harness from a vehicle."

13,762. *Prov.* Joseph Lintott Taylor, The Rectory, Anson-street, Orange, N.S.W., clergyman,

"Improved letter writing block."

13,763. *Comp.* Arthur Cowell, Rockhampton, Qld., mechanic, and John Phillips, Tapungah, Mitchell, Qld., grazier,

"Improvements in fencing droppers and the like."

13,764. *Prov.* John Charles Reilly, Bagshot, Vic., contractor,

"Improvements in writing tablets."

13,765. *Comp.* Frederick William Torrington, 41 Victoria-street, Auckland, N.Z., merchant,

"Plunger for regulating pressure of aerated waters made in bulk form."

13,766. *Prov.* Alfred Albert Williams, 82 William-street, Melbourne, Vic., carpenter,

"Means to enable windows to be locked when in partly open positions."

Applications received, 11th to 17th February—*continued.*

13,767. *Prov.* Henry Fenton, 6 James-avenue, Glebe Point, N.S.W., salesman,

"Improvements in cushion heels of boots and shoes."

13,768. *Prov.* Thomas Timmins, "Quat Quatta," Glen Eira-road, Elsternwick, Vic., engineer,

"Improvements in reinforced concrete beam construction."

13,769. *Prov.* George Edwin Robinson, Sylvester-street, Coolgardie, W.A., plumber, and Thomas Dougal Stewart, King-street, Coolgardie, W.A., engineer,

"An improved acetylene generator."

13,770. *Prov.* Arthur Reginald Angus, Barry-street, Neutral Bay, N.S.W., solicitor,

"Improvements minimising risks of railway derailments at curves 'A.'"

13,771. *Comp.* William Henry Pike, 30 Sydney-arcade, Sydney, N.S.W., hairdresser, *nominee of* William Thomas Gardiner, *act. inv.*,

"The bevelled game ball."

Wednesday, 17th February.

13,772. *Prov.* Arthur Joseph Frederick Payne, 218 Grafton-street, Woollahra, N.S.W., journalist,

"Improved pneumatic tyre for bicycles and motor cars."

13,773. *Prov.* Charles Dargie, *act. inv.*, 51 Peel-street, North Melbourne, Vic., engineer, and Thomas Rowland Morris, *assignee*, Flinders-lane, Melbourne, Vic., manufacturer,

"An automatic catch and lock for railway carriage doors, field gates and the like."

13,774. *Comp.* Mary Alice Hooper, "Weeloona," Sydney-street, Armadale, Vic., lady, *legal representative of* Thomas Martin Hooper (deceased), *act. inv.*, and Peter Dudgeon, Mangana, Tas., engine-driver,

Application under Sec. 85, additional to 9915/07.

"An improved hand-operated safety appliance for controlling the descent of mining and other elevating cages."

13,775. *Prov.* Alfred John Quirk, 268 Elgin-street, Carlton, Vic., accountant,

"Improvements in tins or receptacles for containing preparations having volatile ingredients."

13,776. Emmeline Andreae, 28 Queensborough-terrace, Hyde Park, London, Eng., married woman,

Application under Sec. 121.

[Date applied for 25th Feb., 1908, being date of application in Great Britain, No. 4282/08.]

"Improvements in, and relating to, devices for suspending curtains and the like."

13,777. Dr. Otto Rohm, Eisenbahnstrasse 7/8 Esslingen, Germany, manufacturing chemist,

Application under Sec. 121.

[Date applied for 10th Mar., 1908, being date of application in Great Britain, No. 5377/08.]

"Process for the preparation of hides in the manufacture of leather."

13,778. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Acme Bottle Manufacturing Company Limited, Victoria Wharf, Dartford, Kent, Eng., *assignee of* August Rohrbach, *act. inv.*, 6 Bahnhofstrasse, Erfurt, Germany, engineer,

"Improvements in or relating to glass blowing machines for blowing hollow objects—especially glass bottles jars or the like—in moulds."

13,779. Siemens Brothers & Co. Limited, 12 Queen Anne's Gate, Westminster, S.W., London, Eng., and Luiz de Moraes Gomes Ferreira, 102 Elmbourne-road, Upper Tooting, Surrey, Eng., electrical engineers,

Application under Sec. 121.

[Date applied for 4th Mar., 1908, being date of application in Great Britain, No. 4964/08.]

"Improvements relating to electrically controlled railway points and signals."

Applications received, 11th to 17th February—*continued.*

13,780. *Prov.* Oswald Thomas Madeley, Corindhap, Vic., watchmaker,

"A metal or leather band with metal fastener attached for securing mail bags and the like with a double reversible label attached thereto."

13,781. *Prov.* Agnes Creed, "Coila," Greenwich-road, Greenwich, N.S.W., domestic duties,

"Improvements in garbage and like receptacles."

13,782. *Prov.* William Thomas Mitchell, 896 Mount Alexander-road, Essendon, Vic., foreman blacksmith,

"An improved attachment to the trailing wheels of ploughs, cultivators and the like."

13,783. *Prov.* John Wilson, 224 Brunswick-street, Fitzroy, Vic., upholsterer,

"Improvements in upholstering, coach trimming, cushion making and the like, and appliances therefor."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

11,729. Smyrk, W. A.
12,108. Wilmshurst, F.
12,325. Hordern, S. (Gillett & Peters)
12,661. Martin, H. S.
12,679. Hardy, M. W.
Rubbed faced marble and stone concrete for building, paving, monumental and decorative work, and for such other purposes for which marble and stone are used.
12,978. Wright, A. H.
13,088. Russell, A. *Lee Improvement in hames.*
13,182. Boultbee, J. W., & Colyer, M.
13,321. Hutchinson, J. H.
13,377. Byers, T.
13,413. Waters, R. J.

1909.

13,447. Jenkins, J. H., & Baker, A. H.
Stereoscopic pictorial and panoramic advertising machine.
13,462. Davidson, J.
13,466. Rudd, J. D.
13,470. Moody, S.
13,480. Boyd, P.
13,488. Remfry, F.
13,484. Painter, W. D., & Broadbent, W.
13,501. Potter, J.
13,505. Bruce, E. J., & McClure, J.
13,508. Ball, H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,283. Alfred Frederick Bronner, 117 Collins-street, Melbourne, Vic., specialist, and Alfred Arthur Quick, 40 Hilton-street, Clifton Hill, Vic., driver,

"An improved apparatus for controlling and registering the delivery of liquids." 15th Feb., 1909.

11,468. Robert Lemmon, carpenter, and Robert Patrick Holmes, fitter, both of 64 Leviathan-street, Boulder, W.A.,

"Automatic filter press." 12th Feb., 1909.

11,480. Joseph Anthony Elliott and Henry Reymond, both of Cuballing, W.A., implement manufacturers,

"Homing spring for coulters tines or hinged beams of cultivators." 12th Feb., 1909.

11,486. Agnes Clara Duncan, Aphrasia-street, Newtown, Geelong, Vic., inventor,

"Utensil for stirring, mixing and scraping in cooking operations." 13th Feb., 1909.

11,497. George Petrie, 580 Elizabeth-street, Melbourne, Vic., manufacturer of tin ware,

"An improved liquid or semi liquid strainer." 15th Feb., 1909.

11,530. Stephen Priest, Devonport, Tas., architect,

"Improved apparatus for feeding animals at a prearranged time." 16th Feb., 1909.

11,629. Thomas Charles Cameron, Wesley Hill, Castlemaine, Vic., miner,

"Improvements in anti-fraud bottles and stoppers." 15th Feb., 1909.

11,647. William Ball, Millewa Chambers, High-street, Echuca, Vic., surgeon dentist,

"An improved hypodermic syringe." 16th Feb., 1909.

11,711. Charles McLachlan Graham, *act. inv.*, 16 Isabella-street, Malvern, Vic., civil servant, and Peter Taylor Law, *assignee*, 66 Elizabeth-street, Melbourne, Vic., importer,

"An improved electric insulator." 16th Feb., 1909.

13,170. Hugh Campbell, 312 City-road, South Melbourne, Vic., manufacturer,

"Improvements in spinning tops." 15th Feb., 1909.

13,295. Thomas Henry Hansen, *act. inv.*, 176 Farrell-street, Port Melbourne, Vic., and Charles Frederick Guthridge, *assignee*, 11 Elizabeth-street, Moonee Ponds, Vic., commercial travellers,

"Improvements in spring seats." 15th Feb., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,253. Daly, T. W.
11,254. Ohlson, J. L.
11,255. Hannen, H.
11,260. Pyke, C. F.
11,263. Austin, T. R. L.
11,265. McIvor, F.
11,266. McKenny, J.
11,267. Loft, E.
11,272. Wears, W. E. L.
11,276. Genders, E. B.
11,279. Offord, H. T.
11,280. Sanger, E.
11,281. Reilly, J. G.
11,282. Jelbart, F. S.
11,285. Gillies, A.
11,288. Webster, W.
11,290. Bolton, A. J. J.
11,291. Swan, J.
11,292. Wattson, C. J.
11,293. Webster, W.
11,295. Ireland, J. S.
11,296. Williams, H. & H.
11,298. Sanders, C. E.

Assignments Registered.

1906.

5452. "Smelting furnace."

Assignment of the whole *by* Walter George Perkins *to*

Perkins Sintering Company. Dated 1st Apr., 1908. Registered 9th Feb., 1909.

5453. "Process of desulphurisation and subsequent smelting."

Assignment of the whole *by* Walter George Perkins *to*

Perkins Sintering Company. Dated 1st Apr., 1908. Registered 9th Feb., 1909.

Licences Registered.

1904.

1935. "Improvements in processes and apparatus for separating certain constituents of finely divided material by causing them to rise or float in a liquid."

Licence granted *by* The Ore Concentration Company (1905) Limited *to*

Australasian Ore Concentration Syndicate Limited, for the Commonwealth of Australia, for the unexpired term of Patent, with power to grant sub-licences. Dated 4th Apr., 1906. Registered 9th Feb., 1909.

1935. "Improvements in processes and apparatus for separating certain constituents of finely divided material by causing them to rise or float in a liquid."

Licence granted by Australasian Ore Concentration Syndicate Limited *to*

The Zinc Corporation Limited, for the unexpired term of Patent, to use and employ sixteen units of plant, the concentrators of which shall be five feet in diameter numbered 82 to 97, at the works and premises of the Licensees, situate at Broken Hill, N.S.W., but not elsewhere. Dated 20th Dec., 1907. Registered 9th Feb., 1909.

1905.

3763. "Improved apparatus for use in separating certain constituents of finely divided material."

Licence granted *by* The Ore Concentration Company (1905) Limited *to*

Australasian Ore Concentration Syndicate Limited, for the Commonwealth of Australia, for the unexpired term of Patent, with power to grant sub-licences. Dated 4th Apr., 1906. Registered 9th Feb., 1909.

3763. "Improved apparatus for use in separating certain constituents of finely divided material."

Licence granted by Australasian Ore Concentration Syndicate Limited *to*

The Zinc Corporation Limited, for the unexpired term of Patent, to use and employ sixteen units of plant, the concentrators of which shall be five feet in diameter numbered 82 to 97, at the works and premises of the Licensees, situate at Broken Hill, N.S.W., and not elsewhere. Dated 20th Dec., 1907. Registered 9th Feb., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1907.

10,578. Newman.

1908.

10,745. Fessenden.
10,765. Wallace.
10,770. McGregor.
10,932. Brittin.
11,202. Chivers.
11,421. Halliday.
11,547. Miess.
11,813. Ferrand.
11,993. Whiter.
12,305. McDonough
12,413. Sage.
12,461. Perkins.
12,468. Prellwitz.
12,469. Prellwitz.
12,524. Fowles.
12,531. Castle.
12,548. Mead.
12,583. Fenton.
12,612. Smith.
12,637. Kühne.
12,638. Gepp.
12,639. Westneat.
12,651. Paul.
12,682. Schou.
12,740. Forster.
12,795. Jakeman.
12,889. Lajoie.
12,893. Hutchinson.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

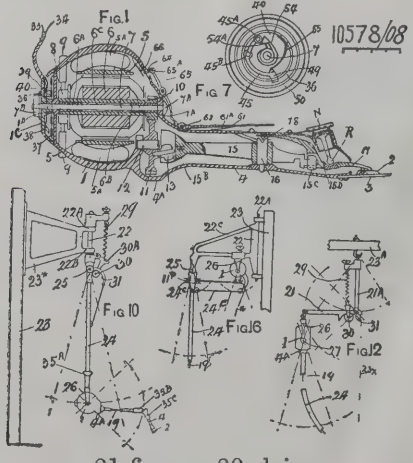
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1907.

10,578. 31 Dec. W. F. Newman, J. W. Molden, and A. B. Sewell, Victoria.

Classes 04.7; 37.6; 60.1.

Sheep shears: Slinging motor by spring balanced levers; several methods of flexible shaft connexions for driving sheep shears by supported electric or other motor; motor controlled by suitable resistance. Rock lever with roller and slot geared at both ends.



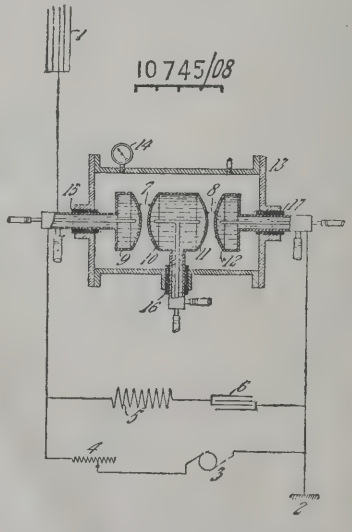
21 figures, 20 claims.

1908.

10,745. 31 Jan. R. A. Fessenden, Mass., United States of America.

Classes 02.6; 05.5.

Spark gap: Series connected water-cooled electrodes in partial vacuum.



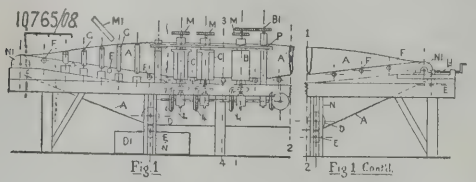
1 figure, 4 claims.

Complete Specifications Accepted—*continued.*

10,765. 3 Feb. H. J. Wallace, W.A.

Class 28.2.

Slimes travel on porous belt either folded on itself or touching another belt between feeding and squeezing rollers, edges gripped together by travelling belts and rollers; adjusting and washing devices.

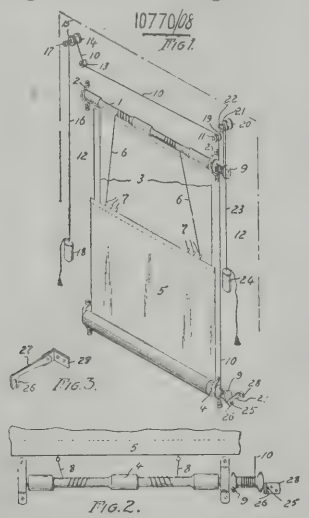


8 figures, 10 claims.

10,770. 4 Feb. J. McGregor, Victoria.

Class 46.6.

Roller blind: Roller top and bottom, balance weights, and winding cords.

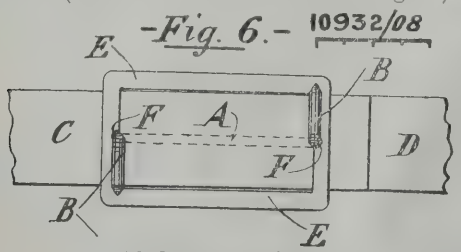


3 figures, 5 claims.

10,932. 27 Feb. H. E. Brittin and S. Ferry, S.A.

Classes 39.7; 43.9.

Buckle: Wire double-ended tong **A**, with oppositely turned ends **B**, which engage a frame **E** (or collars shown in another figure).

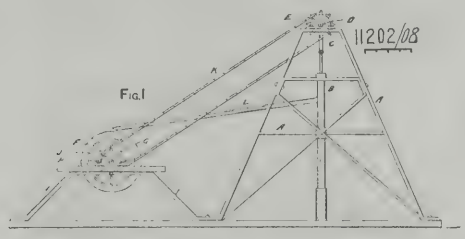


10 figures, 4 claims.

11,202. 6 Apr. G. Chivers, Queensland.

Classes 62.1; 68.5.

Overshot wheel coupled to barrel pump in bore and driven by flow.

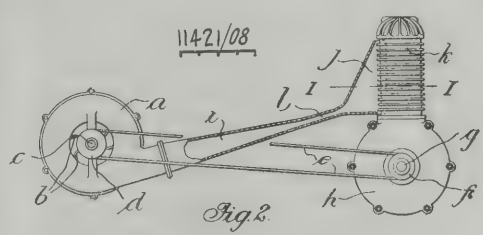


1 figure, 1 claim.

11,421. 5 May. J. Halliday, N.S.W.

Class 66.5.

Fan-cooled motor cylinder; air delivery shoot.



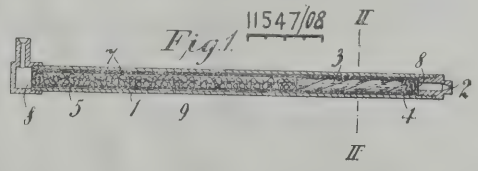
3 figures, 2 claims.

11,547. 21 May. Empire Light Ltd. (J. H. Miess, England).

Sec. 121. Germany. 22 May, 1907.

Classes 23.3; 23.5.

Cartridge for vaporizing tube of vapour burners containing refractory fibrous material **3** and **5** and wire gauze disc **4**, and having a brass casing **7** split longitudinally at **9** to render it adjustable and facilitate recharging.



4 figures, 3 claims.

Complete Specifications Accepted—*continued.*

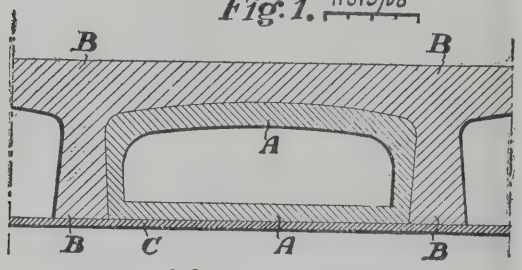
11,813. 24 June. E. Ferrand and T. Pradeau, France.

Sec. 121. France, 379,518. 3 July, 1907.

Class 81.2.

Tubular core or centering blocks **A** in concrete floors.

Fig. 1. 11813/08

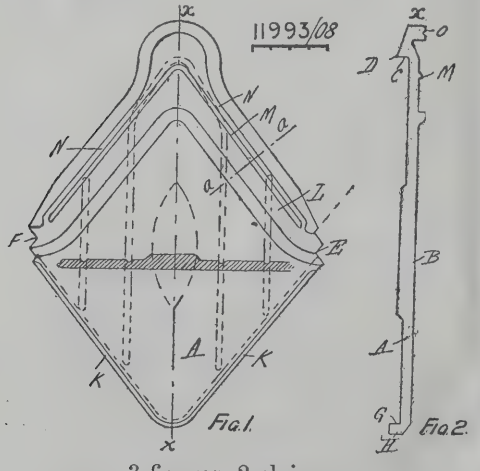


2 figures, 2 claims.

11,993. 16 July. S. E. Whiter, N.Z.

Classes 18.5; 81.4.

Powdered pumice three to five parts to one of lime or cement combined with "Medusa waterproof compound" (a proprietary article) one part, the tile being dipped in "Petrified liquid" (a proprietary article) and cured.

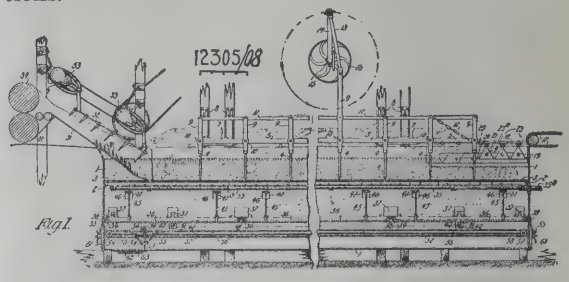


3 figures, 2 claims.

12,305. 22 Aug. T. McDonough, Victoria.

Classes 25.2; 25.6.

Washing and drying wool: Reciprocating and feathering forks; triangular feeding rollers; perforated false bottom above perforated pipe for supplying compressed air; sediment scraper with or without watertight doors above it; drying chamber with conveyors and hot air current. Several modifications.

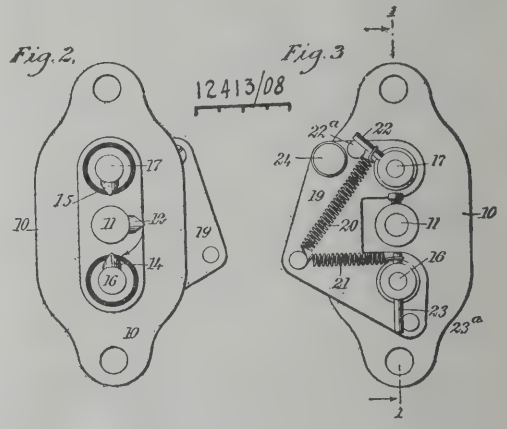


20 figures, 21 claims.

12,413. 7 Sept. G. W. Sage and N. H. Pine, United States of America.

Class 66.8.

Multiple spring rocked electrodes; central rotating wiper.



3 figures, 2 claims.

12,461. 9 Sept. Perkins Sintering Co. (W. G. Perkins and T. Cox, California, United States of America).

Class 15.1.

Metalliferous ores are agglomerated by placing them in a receptacle, applying a gas flame, then introducing air, and then regulating the supply of gas and air.

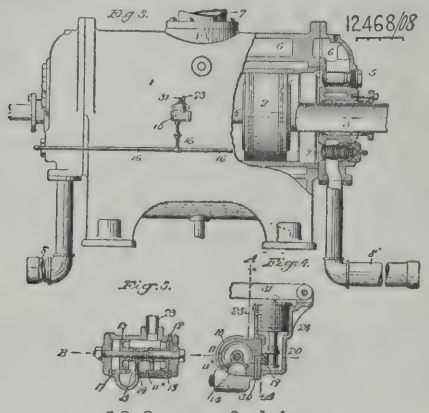
No drawing, 3 claims.

Complete Specifications Accepted—*continued.*

12,468. 9 Sept. Ingersoll-Rand Co. (W. Prellwitz, United States of America).

Classes 61.9; 69.4.

Compressor unloaders; weighted slide and piston motor valves.

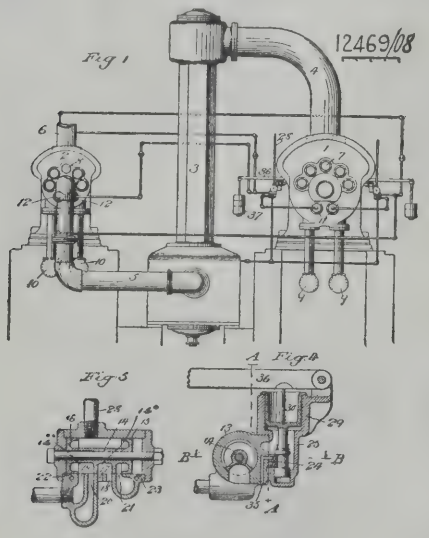


13 figures, 6 claims.

12,469. 9 Sept. Ingersoll-Rand Co. (W. Prellwitz, United States of America).

Classes 61.9; 69.4.

Compound compressor unloader: Weighted slide and piston motor valves.



9 figures, 5 claims.

12,524. 16 Sept. W. Fowles, Natal, S.Af.

Class 34.7.

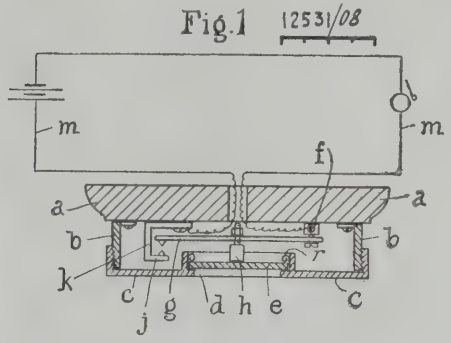
Food composition: Paw-paw and meat, cereals or vegetables.

No drawing, 1 claim.

12,531. 17 Sept. F. Castle, New Zealand.

Class 88.2.

Electric fire alarm: Ceiling switch operated by fusible diaphragm. Two designs.

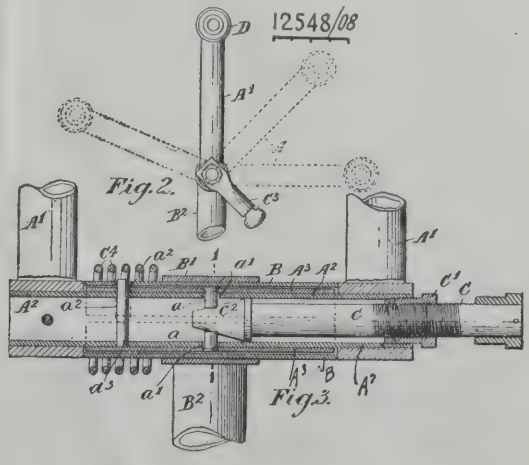


3 figures, 4 claims.

12,548. 18 Sept. W. C. Mead, Victoria.

Classes 62.7; 94.3.

Adjustable rotatable handle bar for cycles: **A²** is a tubular casing (holed for studs) against which the coned rod **C** contacts; the studs are fastened to the divided tube **A³** which bears against the tube **B** when the rod **C** is screwed up by the spanner **C³**; the handles are brought back to normal position by the coiled spring **C⁴**; capstan action for brake cord.



5 figures, 4 claims.

Complete Specifications Accepted—*continued.*

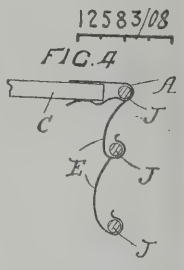
12,583. 23 Sept. J. Fenton, New Zealand.

Sec. 121. New Zealand, No. 24,693. 20 July, 1908.

Classes 25.6; 78.9.

Clothes drier: Spring clips on mantelpiece support rod, from which other rods are connected by hooks.

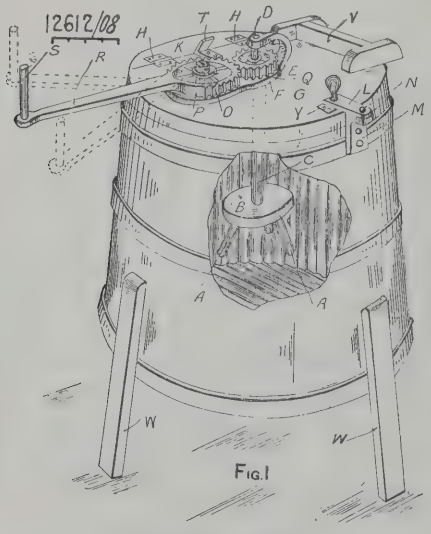
4 figures, 2 claims.



12,612. 28 Sept. J. W. Smith, N.S.W.

Class 25.2.

Multiplying geared lever for vertical spindle of horizontally oscillating dolly.



1 figure, 2 claims.

12,637. 30 Sept. H. Kühne, Germany.

Classes 06.1; 07.9; 08.9; 17.4.

Manufacturing sulphuric acid from waste sulphur dioxide by oxidation, with air or oxygen in presence of water or water vapour, induced by ultra-violet rays.

No drawing, 2 claims.

12,638. 30 Sept. Australian Explosives and Chemical Co. Ltd. (H. W. Gepp, New South Wales).

Class 31.5.

Destroying fungoid diseases by a mixture of dehydrated bluestone and alkali.

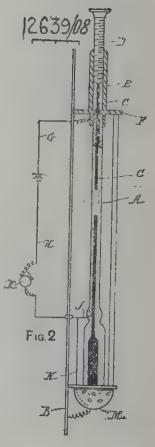
No drawing, 1 claim.

12,639. 30 Sept. C. H. Westneat, New Zealand.

Classes 00.7; 29.7; 99.7.

Electrically connected thermometer: Screw-adjusted contact; bulb to collect mercury and complete circuit when glass breaks.

2 figures, 3 claims.

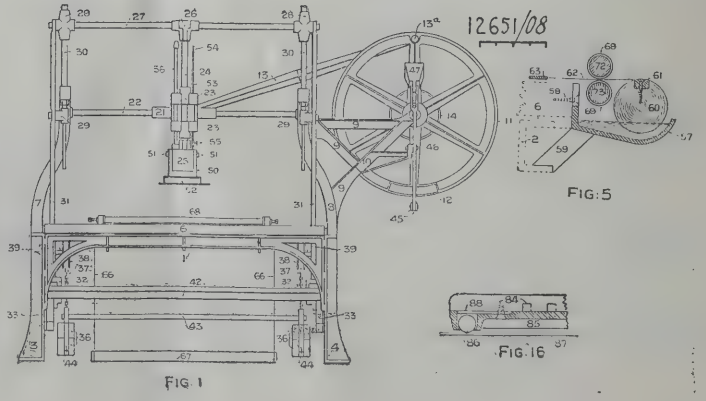


12,651. 1 Oct. C. H. R. Paul, Queensland.

Classes 25.7; 60.8.

Reciprocating gas heated tailor's pressing and ironing machine; damping cloth and trough; changeable mould boards, having ball supports with spring back.

21 figures, 8 claims.



Complete Specifications Accepted—*continued.*

12,682. 5 Oct. E. V. Schou, England.

Class 25.1.

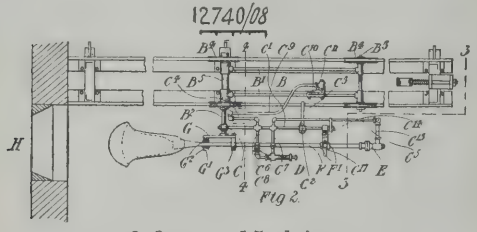
Soap in flakes or sheets is formed by passing fluid soap between two cooled rollers spaced very slightly apart and rotating in opposite directions.

No drawing, 4 claims.

12,740. 10 Oct. J. Forster, England.

Classes 19.6 ; 74.5.

Blowing cylinders for sheet glass : Swinging blowpipe on horizontal carriage ; water cooled moulding block ; flexible ring union for blowpipe ; valve couplings, &c.



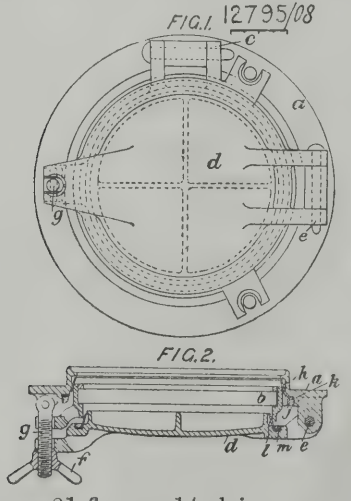
9 figures, 15 claims.

12,795. 16 Oct. G. E. Jakeman and F. G. P. Preston, England.

Sec. 121. Great Britain, No. 23,244. 21 Oct., 1907.

Classes 78.7 ; 91.2.

Cabin port-hole : Conical elastic metal rings **h** and **I** for sealing port light **b** and dead light **d** ; modifications.

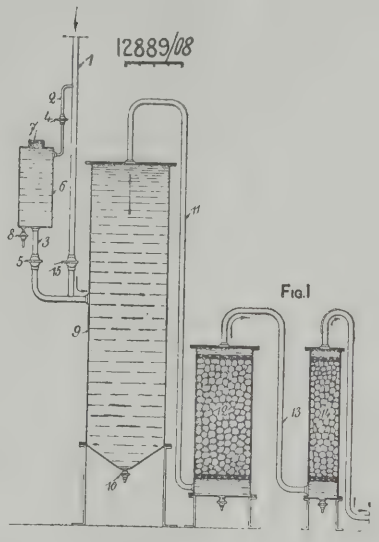


21 figures, 14 claims.

12,889. 28 Oct. J. P. Lajoie, France.

Class 83.1.

Pressure water softener : A pipe, with by-pass chamber **6** for a soluble reagent, delivers water under pressure to a closed settling chamber **9** and filters **12** and **14**.



1 figure, 1 claim.

12,893. 28 Oct. T. J. Hutchinson, Eng.

Class 48.1.

Paper pulp from megasse by digestion in weak alkaline solution in either one or two stages to remove gummy and other impurities from fibres and cellulose, carbonate of sodium and caustic soda being used in digester worked at 100° to 116° C.

No drawing, 4 claims.

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 42, comprising Applications numbered from 5000 to 8399, are now complete with title pages, &c.

Vols. 43 to 45 comprise Applications from 8400 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1907.

8200 to 8399. Vol. 42. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—8233-9, 8242-4, 8253-6, 8283-5, 8296-9, 8301, 8348-51, 8397.

8821, 8823-30, 8838, 8879-82, 8974-6, 8980-1, 8988, 9001, 9010, 9014, 9021. Void applications.

9023. Austin Engine Company (Austin). *Rotary engines.* Class 67.7.

9035. G. Wilkinson. *Composition stone.* Class 18.5.

9068-9, 9100. Void applications.

9105. Manufacturers Machine Company (Stanbon). *Channelling machines.* Classes 44.5; 62.7.

9150. Hoover and Sulman. *Ore concentration.* Class 12.5.

9171. Manufacturers Machine Company (Hooper). *Channel flap layer.* Class 44.5.

9172. Manufacturers Machine Company (Glass). *Stapling machines.* Class 44.5.

9173. Manufacturers Machine Company (Leavitt). *Boot buffing machines.* Class 44.5; 75.2.

9174. Manufacturers Machine Company (Heys). *Stitch impression finishing.* Class 44.5.

9200, 9205-6, 9246. Void applications.

9460. Hobby and Browne. *Boots from skins.* Classes 43.6; 44.1; 44.7; 47.2.

9467. Jones and Andrewartha. *Stump-jump implements.* Class 30.9.

9493. F. and N. L. Caldwell. *Motor vehicles.* Classes 95.7; 95.9.

9500. A. Butters. *Gold saver.* Classes 11.4; 60.2; 60.8.

9501. C. Sherwood, *sen.*, and C. Sherwood, *jun.* *Endless railway.* Class 93.5.

9631. G. H. Growden. *Harrow drills.* Classes 31.1; 31.2.

9944. Prentice and Paine. *Windmill regulator.* Class 90.7.

10,016. Alice J. M. Walker. *Invalid exerciser.* Class 87.3.

10,029. L. J. Ambury. *Cow covers.* Class 39.5.

10,172. A. W. Chatfield. *Replanting, &c., teeth.* Classes 87.1; 87.7.

10,262. Slipper and Smith. *Belt fasteners.* Class 62.7.

10,342. R. J. Fletcher. *Destroying weeds, &c.* Class 31.5.

10,560. Johnson and Calvert. *Sheep shearing.* Class 37.6.

Printed Specifications Published—*continued.*

1908.

10,661. L. G. Abrams (Larson). *Broom-corn harvester.* Classes 32.2; 33.1.
10,744. R. A. Fessenden. *Signalling.* *Class* 05.5.
10,892. E. M. Jahraus. *Ore concentrators.* Class 12.7.
10,958. J. L. Schmidt. *Acetylene apparatus.* Class 21.87.
11,000. W. Heer. *Storing explosive liquids.* Classes 20.6; 22.4; 61.7; 74.7; 74.8.
11,017. E. Coulson. *Oil engines.* Classes 61.9; 66.5.
11,064. E. F. W. Alexanderson. *A.C. motors.* Classes 02.4; 04.7;
11,122. Stevenson and Phillips. *Water closets.* Classes 86.2; 86.3.
11,131. F. G. Cottrell. *Separating suspended particles.* Classes 02.5; 02.6; 17.4; 66.5; 90.9.
11,139. H. W. Alden. *Roller bearings.* Class 60.8.
11,143. F. C. Thompson. *Venetian blinds.* Classes 45.7; 78.8.
11,174. A. H. Borgström. *Butter-making.* Class 36.7.
11,175. J. T. Timms. *Telephone receiver holders.* Class 05.6.
11,221. E. B. Killen. *Rubber treads.* Class 97.81.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*11th February, 1909.*			
10,001	12 Oct.	T. Burrell	Vic.	Boot sole and heel ...	651
10,394	5 Dec.	G. C. Munns	N.Z.	Water sprayer for lawns ...	600
10,483	17 Dec.	H. V. Daggar ...	W.A.	Vacuum filtering machine ...	614
	1908.				
11,060	16 Mar.	L. G. Abrams (Cochran & Irick)	N.S.W.	Millet broom	525
	1907.				
11,683	*8 July	S. F. Crocker	Brit. India.	Rifle attachments for mounted troops	392
11,705	*2 July	W. Witter	Germany	Zinc from furnace slags ...	407
	1908.				
11,727	15 June	Reckitt & Sons Ltd. (Ferens)	Eng.	Sprinklers for liquids ...	408
11,751	18 June	L. A. Brenizer, C. V. Davis, & F. R. McDaniel	U.S.A.	Riding attachment for harrows	422
12,149	5 Aug.	The Brit. Stone & Marble Co Ltd. (Thom)	Eng.	Aritificial marble, &c. ...	524
12,201	10 Aug.	M. Lambert	Belgium	Railway trucks	540
	1907.	*12th February, 1909.*			
12,028	*16 Aug.	H. A. Humphrey & W. J. Rusdell	Eng.	Raising liquids, &c. ...	492
12,029	*28 Aug.	H. A. Humphrey ...	Eng.	Raising liquids, &c. ...	492
		13th February, 1909.			
10,009	14 Oct.	J. P. Maloney, H. Chisholm, & B. Sutherland	N.Z.	Station or street automatic indicator	651
10,108	29 Oct.	R. Brown	Eng.	Electric traction ...	686
10,174	6 Nov.	F. L. Bergen & R. H. Pascoe	U.S.A.	Hoisting apparatus ...	707
10,207	8 Nov.	C. H. Noller & P. E. O'Reilly	Qld.	Destroying insects, &c. ...	600
10,218	12 Nov.	C. Jacobsen	Vic.	Filing letters, &c. ...	543
	1908.				
10,606	8 Jan.	S. W. Newcomb ...	Eng.	Checking side-slip of vehicles	5
10,629	10 Jan.	J. F. Wearne	N.S.W.	Rifle leaf sights	647

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*13th February, 1909*—continued.			
11,319	*22 Apr.	E. J. Rohrbacher ...	U.S.A.	Automatic air pump ...	262
	1908.				
11,337	23 Apr.	The Greenlaw Mfg. Co. (Greenlaw & Royce)	U.S.A.	Flexible pipe joints ...	279
11,728	15 June	P. Kersten	Germany	Soap, &c., receptacles ...	408
11,790	22 June	J. Lewis	Qld.	Concrete slabs, &c. ...	424
11,937	9 July	A. E. Whitelaw ...	Vic.	Boot uppers	581
11,938	9 July	A. D. Wilson	Vic.	Ore concentration ...	629
12,223	12 Aug.	J. Crooks	Eng.	Rail joints	541
	1907.	*15th February, 1909.*			
10,006	14 Oct.	J. W. Delaney	Vic.	Animal muzzle	478
10,279	21 Nov.	N. P. Willmann ...	Qld.	Tip waggon	629
	1908.				
10,610	8 Jan.	G. H. Small & G. Gibbins	Vic.	Ploughs	614
11,411	4 May	E. R. Magnus ...	N.S.W.	Casting dental work ...	303
		16th February, 1909.			
11,235	9 Apr.	W. H. G. Geake ...	N.S.W.	Tennis shirts	525

* Date granted under Sec. 121.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Assignment Registered.

1901.

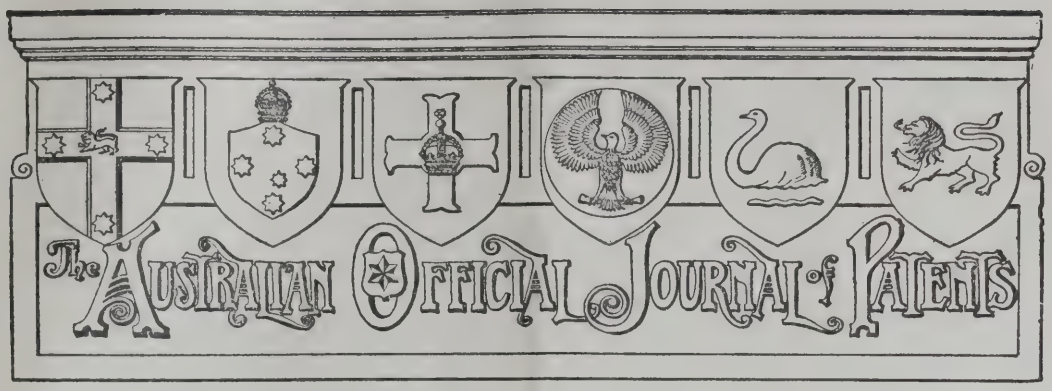
5938. "Improvements in and connected with the production of beer and other beverages and of alimentary substances."

Assignment of the whole *by* The Concentrated Beer Company Limited, in liquidation, and John Girdwood, John Heron, William Trested Clark, Basil Duckworth Quihampton, and George Sidebotham, liquidators, *to*

The British Beer Breweries Limited. Dated 25th June, 1908. Registered 11th Feb., 1909.

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Vol. 8.—Applications and Proceedings, 1908.

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The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
„ B, Names	Issued 19 Jan., 1909
„ C, Classification	„ 26 Jan., 1909
„ D, Numerical	
„ E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages, up to Application No. 3677, 21 July.

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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
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23. For altering address in Register ...	0	10	0
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25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
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Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 10.] 1909. [No. 8.

Tuesday, 2nd March.

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THE Australian Official Journal of Patents.



Notices.

Applications Received, 13,784 to 13,843.

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NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent No. 8068, dated the 22nd of February, 1909, for:—

"AN IMPROVED ICE MAKING APPARATUS"

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Further information and particulars obtainable from—

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VOL. 10.] 2ND MARCH, 1909. [No. 8.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices–	
Corrigendum	141
Payment of Acceptance and Sealing Fees ...	141
Commonwealth–	
Applications Received	142
Provisional Specifications Accepted ...	146
Complete Specifications after Provisional ...	146
Applications (Prov.) Lapsed	147
Complete Specifications Accepted ..	147
Illustrated Notes	147
Commonwealth—*continued.*	
Specifications open to Public Inspection before acceptance	157
Printed Specifications Published	157
Letters Patent Sealed	159
Victoria–	
Renewal Fees Paid	160
South Australia–	
Renewal Fees Paid	160
Western Australia–	
Renewal Fees Paid	160

NOTICES.

Corrigendum.

In Vol. 9, Part B, Name Index to Applications and Proceedings, page 41, *for* "Leola, Florence ... Piano wrest pin ... 13,096" *read* "Leola, Florence ... Piano wrest pin ... 13,098."

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.2235.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 18th to 24th February, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Corrigendum.—In No. 49, page 840, Vol. 8, *cancel* Application No. 13,338. (*This number will not be used for an original application. See* No. 13,755/09, page 124, Vol. 10.)

Thursday, 18th February.

13,784. *Prov.* Hugh Ross, blacksmith, and James Davies, engineer, both of Rochester, Vic.,

"An improved bag-lifter."

13,785. *Prov.* Robert Bathgate, 32 Palermo-street, South Yarra, Vic., tinsmith,

"Improved station and sports indicator."

13,786. *Prov.* Henry Haugh, Victoria Hotel, Johannesburg, Transvaal, S.Af., metallurgist,

"Improvements in filter presses."

13,787. *Prov.* William Silver, Tamworth, N.S.W., engineer,

"Improvements in sheep shearing machines."

13,788. *Comp.* George Septimus Smith, *act. inv.*, Bundarra, N.S.W., agent, and Charles Gordon Williams, *assignee*, Barraba, N.S.W., auctioneer,

"Improved sale account book."

13,789. *Prov.* William Tyree, Circular Quay, Sydney, N.S.W., gas engineer,

"A new or improved apparatus for the destruction in burrows of pests or noxious animals by means of poisonous fumes."

13,790. *Prov.* Wilhelm Alexander Felix Bleeck, electrician, care of Isles, Love & Co., 284 and 286 Queen-street, Brisbane, Qld.,

"Improvements in primary batteries."

13,791. *Comp.* Andrew Bahan, carpenter, care of Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improvements in tent construction."

13,792. *Prov.* Rowland Henry Easdown, Narooma, N.S.W., mine manager,

"An improved locking clasp for mail bags and the like."

Friday, 19th February.

13,793. *Prov.* George Everett Jelbart, Firebrace-street, Horsham, Vic., cycle and motor mechanic,

"The antifriction horizontal & vertical rebound bicycle spring fork."

13,794. *Prov.* Richard Purser, 83 King-street, Perth, W.A., manufacturer,

[To bear date 4th Sept., 1908 (under Reg. 11 (2), being date of lodging C.a.P. on No. 11,967.]

"Improvements in gates."

13,795. *Prov.* David Fulton, Echunga, S.A., grazier,

"Improvements in bark stripping machines."

13,796. *Comp.* Alfred Stevens, 124 Beaufort-street, Perth, W.A., gentleman,

"Self propelled invalid carriage."

13,797. *Prov.* Albert Mander, 53 Alexander-parade, North Fitzroy, Vic., bootmaker,

"Improvements in the manufacture of boots and shoes."

13,798. *Prov.* James Dawson Jackson, 10 Green-street, Windsor, Vic., plumber,

"An improved air vessel attachment for water service pipes and the like to prevent concussive shocks therein."

Applications received, 18th to 24th February—*continued.*

13,799. *Comp.* George Edward Pullen, Helidon, Qld., dairyman,

"Improvements in washing and wringing machines."

Saturday, 20th February.

13,800. *Prov.* Sydney Burrows, clergyman, care of Messrs. Phillips, Ormonde and Co., 533 Collins-street, Melbourne, Vic.,

"An improved receptacle for string or string and safety matches."

Monday, 22nd February.

13,801. *Prov.* Louis Horne, West Guildford, W.A., accountant,

"An improvement in wire mattresses for bedsteads."

13,802. *Prov.* James Grant Enright, *act. inv.*, journalist, and Edmund Heinrich Frohn Bassermann, agent, both of Brisbane, Qld.,

"Vermin-proof stay laced wire mattress."

13,803. *Comp.* Joseph Matthias Ruddick, View Point, Eaglehawk, Vic., mining engineer,

"The typewriters and copyist assistant."

13,804. *Prov.* Hans Charles Behr, Consolidated Goldfield's Building, Johannesburg, Transvaal, S. Af., consulting mechanical engineer,

"Improvements in stamp lifting means."

13,805. *Comp.* George Garibaldi Turri, 497-499 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Frederick Elwell Woodbury, *act. inv.*, 3200 Wells-street, Milwaukee, Wis., U.S.A., and Centennial Harry Benedict, *assignee*, Lake Lindon, Houghton, Michigan, U.S.A.,

"Apparatus for treating ores."

13,806. *Comp.* The F. Bissell Company, 226-228-230 Huron-street, Toledo, Lucas, Ohio, U.S.A., dealer in electrical supplies, *assignee of* Harry Haudenschild, *act. inv.*, and Louis A. Alexander, *act. inv.*,

"Improvement in sewing machine motors."

13,807. *Prov.* Arthur William Stokes and Hyman White, both of 250 Elizabeth-street, Melbourne, Vic., rubber merchants,

"Rubber culinary utensil holder or handle."

13,808. *Comp.* Marion Williams Pitner, 185 Lake-street, Chicago, Cook, Ill., U.S.A., manufacturer,

"Improvements in lamps of the vapor-burning type."

13,809. *Prov.* Harry Le Tissier Blackwell, 745½ George-street, Sydney, N.S.W., shirt manufacturer,

"Improvements in stiffened body belts."

13,810. *Prov.* Gordon Cumming Hamilton, "Strathroy," Ocean-street, Woollahra, N.S.W., engineer,

"Improved cleaning appliances for window like structures specially useful for motor car wind shields."

13,811. *Prov.* Samuel Robinson, 35 Moreton-street, Pimlico, London, S.W., Eng., engineer,

"Improvements in means for packing reciprocating pistons."

13,812. *Comp.* Leslie Edwin Hooker, 381 North Main-street, Pawtucket, Providence, Rhode Island, U.S.A., manufacturer,

"Improvements in or relating to metallic tubes and to the method and apparatus for manufacturing the same."

13,813. *Comp.* Black Sand and Gold Recovery Company, Chicago, Cook, Ill., U.S.A., dredge proprietor, *assignee of* Thomas Jefferson Lovett, *act. inv.*, Chicago, Cook, Ill., U.S.A., mechanical engineer,

"Improvements in pipe dredges."

13,814. Robert F. Whitney, *act. inv.*, 11 Lawrence-street, Winchester, Middlesex, Mass., U.S.A., and Arthur E. Whitney, *assignee*, 3 Mystic-avenue, Winchester, Middlesex, Mass., U.S.A., manufacturers,

Application under Sec. 121.

[Date applied for 18th Nov., 1908, being date of application in U.S.A., Serial No. 463,265/*08*.]

"Machines for fleshing, unhairing, and working hides."

Applications received, 18th to 24th February—*continued.*

13,815. William AITKEN, of British Insulated and Helsby Cables Limited, Milton-road, Edge-lane, Liverpool, Lancashire, Eng., electrical engineer,

Application under Sec. 121.

[Date applied for 6th Mar., 1908, being date of application in Great Britain, No. 5080/*08*.]

"Improvements in telephone instruments."

13,816. *Prov.* James Richard BRADLEY, Palmerston-road, North Unley, S.A., carpenter,

"An improved machine for scraping and gathering lake salt."

13,817. *Comp.* Alfred Leopold BENJAMIN, 9 Moscow Court, Bayswater, London, Eng., tobacco merchant,

"Improved manufacture of tobacco cartridges for pipe smoking."

13,818. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Benjamin Franklin MAYO, *act. inv.*, 53 Buffum-street, Salem, Essex, Mass., U.S.A., inventor, and Ira Clyde BUCKMINSTER, *act. inv.*, 3 Chestnut-street, Beverly, Essex, Mass., U.S.A., draftsman,

"Improvements in or relating to sole rounding machines."

13,819. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Willard Allen SMITH, *act. inv.*, 103 East Foster-street, Melrose, Middlesex, Mass., U.S.A., mechanical engineer,

"Improvements in or relating to machines for lacing shoe uppers."

13,820. *Prov.* Alfred JAMES, 2 Broad-street-place, London, Eng., mining and metallurgical engineer,

"Improvements in automatic filters."

13,821. *Comp.* Xavier Charles André DU HOMME DE SAINTE CROIX, P.O. Box 5736, Johannesburg, Transvaal, S. Af., engineer,

"Improvement relating to automatic safety device for gradual stoppage of falling conveyances in guided travelling ways."

13,822. *Comp.* Giuseppe MAZZOLINI, N. 145 S. Lucia, Naples, Italy, gentleman,

"Improvements in or relating to doors, hatches or like closing devices."

13,823. *Comp.* Ernst Valdemar GANDIL, Hobrogade No. 2, Copenhagen, Denmark, engineer,

"Improvements in adjusting-devices for milking-machines."

13,824. *Prov.* Mark POND, 2 Langshaw-street, New Farm, Brisbane, Qld., master tailor,

"An improved double patent clip for clothing."

Tuesday, 23rd February.

13,825. *Comp.* THE INTERNATIONAL MULTIGRAPH COMPANY, corner of E. 40th-street and Kelley-avenue, Cleveland, Cuyahoga, Ohio, U.S.A. (Albert Deloss PEJEAU, *act. inv.*, machinist, 9515 Bessler-avenue, Cleveland, Cuyahoga, Ohio, U.S.A., and Harry Christian GAMMETER, *act. inv.*, mechanical engineer, Lake Shore Boulevard, Bratenahl Village, Cuyahoga, Ohio, U.S.A.),

"Improvements in paper feeding devices for printing machines."

13,826. *Prov.* Robert Hermann STOCKFELD, 13 Harcourt-street, Auburn, Vic., architect and designer,

"An adjustable and convertible chair."

13,827. *Comp.* HAINES THERMO DYNAMIC MOTOR COMPANY, 248 Fourth-avenue, Pittsburg, Allegheny, Penn., U.S.A., manufacturer, *assignee of* Lewis Augustus HAINES, *act. inv.*, 1365 East Long-street, Columbus, Franklin, Ohio, U.S.A., mechanical engineer,

"Improvements in thermo-dynamic motors."

13,828. *Prov.* William LESLIE, Tyers, *viâ* Traralgon, Vic., farmer,

"An improved device for attachment to reapers and binders."

13,829. *Prov.* Richardson BENNET, engineer, care of Messrs. Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in or relating to fishing line reels."

Applications received, 18th to 24th February—*continued.*

13,830. *Prov.* Thomas Ambrose, 307 Pigdon-street, Princes Hill, Vic., gardener,

"An improved cider, wine, or cheese press."

13,831. *Prov.* Thomas Ambrose, 307 Pigdon-street, Princes Hill, Vic., gardener,

"An improved machine for cutting apples for cider, potatoes, mangolds, and other vegetables for cattle food and the like."

13,832. *Prov.* Emerson Richardson, Swan Reach, Vic., contractor,

"Improved mode of and apparatus for destroying rabbits."

13,833. *Prov.* Charles Wallworth, 3 Bridge-road, Petersham, N.S.W., engineer,

"An adjustable gas saving and automatic self starting apparatus to be used preferably on gas engines."

13,834. *Prov.* Alfred Ernst Sawtell, Baylis-street, Wagga Wagga, N.S.W., blacksmith,

"An improved bicycle appliance for hill climbing."

Wednesday, 24th February.

13,835. *Prov.* William Lainson and William Brown, 542 Elizabeth-street, Melbourne, Vic., wire workers, &c., *assignees of* Henry Bennett, *act. inv.*, 8 Surrey-road, Hawksburn, Vic., engineer,

"An improved tea cosey."

13,836. *Prov.* Alfred Scott Broad, Moseley-street, Glenelg, S.A., engineer,

"Improvements in two cycle explosion motors."

13,837. *Prov.* George Coleman, 72 Collins-street, Hobart, Tas., orchardist,

"An improved attachment to knives for cutting bread, meat and such like substances."

13,838. *Prov.* George Coleman, 72 Collins-street, Hobart, Tas., orchardist,

"An improved apparatus for pulling corks."

13,839. *Prov.* George Coleman, 72 Collins-street, Hobart, Tas., orchardist,

"Improvements relating to hat pins."

13,840. *Prov.* George Olney, 72 Collins-street, Hobart, Tas., clerk,

"An improved spraying attachment to garden hoses."

13,841. *Prov.* Harold Charles L'Oste Rolfe, Equitable Buildings, Collins-street, Melbourne, Vic., manufacturer,

"An improved automatic air supplying and carburetting apparatus for illuminating and heating purposes."

13,842. *Prov.* Sidney James Lawrence, 38 Castlereagh-street, Redfern, N.S.W., mechanical engineer,

"Pneumatic tyre puncture detector."

13,843. Johannes Jacobus Loke, Nieuwe Parklaan 179, Scheveningen, Holland, railway sub-manager,

Application under Sec. 121.

[Date applied for 29th Oct., 1908, being date of application in Great Britain No. 23,010/08. Application also made in Sweden, 18th Nov., 1908; Spain, 19th Nov., 1908; France, 19th Nov., 1908; Belgium, 20th Nov., 1908; U.S.A., 21st Nov., 1908; Germany, 23rd Nov., 1908; N.Z., 30th Dec., 1908, No. 25,401.]

"Improvements in and in the manufacture of tiles, slabs or other finished products of hard material."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1909.

13,170. Campbell, H.
13,268. Castles, W.
Elevating canal excavator.
13,476. Stacey, R. D.
A twin basin jacket for rock drilling machines.
13,481. Thomas, A. T.
13,495. Anschau, J.
13,513. Martin, J.
13,509. Diserens, C.
13,510. Chester, M. F.
13,511. Cox, C. S.
13,514. Bennett, T. O.
13,517. Drew, R.
13,518. Kinninment, T. C.
13,520. Schröder, J. T.
13,521. Marks, H. J.
13,523. Fabian, B. B., & Henderson, D.
13,525. Brazier, J., & Watson, H.
13,526. Bolton, A. J. J.
13,528. Ellison, A.
13,529. Johnston, G. G.
13,530. The Federal Fuel Gas Pty. Ltd. (Cotton)
13,532. Hurst, H. E.
13,537. Larsen, K.
13,540. Lovett, G. S.
13,551. Pomeroy, J.
13,553. Newson, F. W.
13,555. Malcolm, J., & Jones, A. W.
13,561. Drabsch, W. R.
13,562. Hicks, W.
13,566. Bilston, J. H. M.
13,580. Un. Shoe Mach. Co. (Bates)
13,589. Hopkins, J. S.
13,593. Angus, A. R.
13,594. Carter, C. G.
13,604. Casey, F.
13,606. Aland, E., & Scott, A. H.
13,615. Blake, W. H.
13,616. Moore, J.
13,633. Wallace, J. W.
13,647. McDonald, H. E.
13,656. Larson, N. A.
13,660. The Eclipse Printing Co. Ltd. (Neave)
13,661. The Eclipse Printing Co. Ltd. (Neave)
13,671. Strachan, J. J.
13,675. Coutts, J., & Davies, A. H.
13,678. Cooper, H. C.
13,690. Ostberg, J.
13,693. Ekins, A. L. G.
13,713. The Konomax Rock Drill Synd. Ltd. (Mauss)
13,720. Gordon, N. R.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,333. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Herbert Elliott ENSLIN, *act. inv.*, 114 Lebanon-street, Malden, Middlesex, Mass., U.S.A., roadman,

"Improvements in or relating to machines for lacing shoe-uppers." 22nd Feb., 1909.

11,536. James Dowson JACKSON, *act. inv.*, 10 Green-street, Windsor, Vic., plumber, and William Henry CLARKE, *assignee*, 31 Eastern-arcade, Melbourne, Vic., managing clerk,

"An improved apparatus for producing hot showers for baths or other purposes." 20th Feb., 1909.

11,558. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Erastus Edwin WINKLEY, *act. inv.*, 103 Euclid-avenue, Lynn, Essex, Mass., U.S.A., mechanical engineer, and John Thomas McISAAC, *act. inv.*, 89 Cedar-street, East Weymouth, Norfolk, Mass., U.S.A., machine operator,

"Improvements in or relating to welt slitting mechanism for shoe sewing machines." 22nd Feb., 1909.

11,567. Walter Albert MARTIN, 245 High-street, St. Kilda, Vic., bootmaker,

"A leading wire or needle specially applicable for hand stitching footwear and other articles." 23rd Feb., 1909.

11,591. John BROOKS, Yering, Vic., farmer,

"Improvements relating to fertiliser drills and other similar implements." 23rd Feb., 1909.

11,617. Arthur JONES, Bondoola, Rockhampton, Qld., engineer and fruit-grower,

"Disc stump jump plough or cultivator." 22nd Feb., 1909.

11,620. William Joyce TRENT, Pakenham-street, Echuca, Vic., mechanical engineer,

"A device for extinguishing the light of lamps and lanterns when overturned or falling and for preventing the danger of fire therefrom." 19th Feb., 1909.

11,688. Samuel Thomas SHIRT, 586A George-street, Sydney, N.S.W., cutler,

"Improvements in hand shears." 18th Feb., 1909.

Complete Specifications lodged after Provisional Specifications—*continued.*

11,979. Fred Dando, Beaconsfield, Tas., chemist,

"Improved game of skill and apparatus for playing same." 19th Feb., 1909.

12,789. James Catford Koller, corner of End and Rockey streets, Doornfontein, near Johannesburg, Transvaal, S.Af., chemist and assayer,

"Improvements in the extraction of metals from their ores, and apparatus therefor." 22nd Feb., 1909.

12,969. Charles Bertram Smith, 96 Ferris-street, Annandale, N.S.W., tinsmith,

"Improvements in and relating to the sealing of milk and cream cans, vats and the like." 23rd Feb., 1909.

13,155. Egbert Edward Kennedy, 437 Collins-street, Melbourne, Vic., company manager,

"An improved means for displaying advertising matter." 23rd Feb., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,303. Marks, J.
11,314. Malone, W. M.
11,320. White, C. G. (Cooper)
11,325. Huie, G.
11,329. Golde, T.
11,344. Horn, C.
11,345. McKay, A., & McDonald, A.
11,348. McErvale, H.
11,349. Finck, E. H.
11,357. Thomson, G. H.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,865. Jenkins.
11,030. Soans.
11,759. Trickey.
11,816. Brennan.
12,016. Johnson.
12,368. Sabatier.
12,510. Binney.
12,563. Cockshott.
12,588. Bradley.
12,609. Hurrey.
12,611. Willmore.
12,628. Thornhill.
12,660. O'Donnell.
12,680. Fessenden.
12,692. McCarty.
12,693. Bornkessel.
12,696. Mieville.
12,704. Lascelles.
12,707. Scard.
12,724. Edwards.
12,730. McCarty.
12,731. Wright.
12,737. Main.
12,754. Plant.
12,775. Merry.
12,796. Holgate.
12,839. Dyson.
12,861. Wilson.
12,866. Cox.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals, under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

Complete Specifications Accepted—*continued.*

1908.

10,865. 19 Feb. R. B. Jenkins and C. B. Keene, New South Wales.

Class 57.3.

Wool press: The shaft of the fusee carries a gear wheel which meshes with a train of gear wheels adapted to mesh with a slidable gear wheel on power shaft and operated by lever **23**.

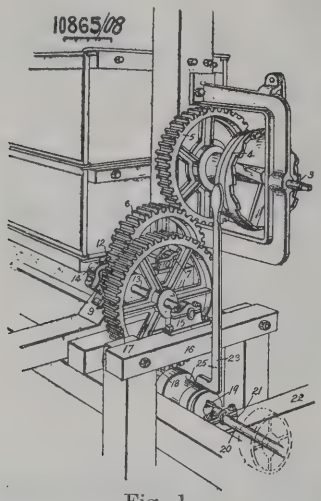


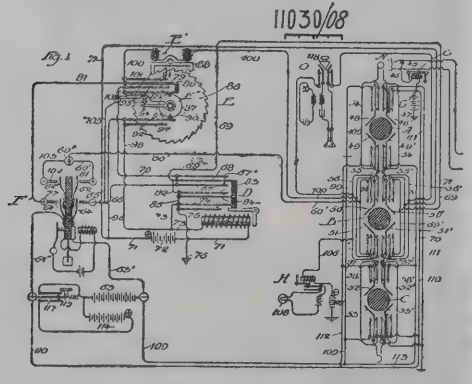
Fig. 1.

2 figures, 2 claims.

11,030. 12 Mar. C. A. Soans and A. H. Graves, Chicago, United States of America.

Classes 04.4; 05.2; 05.6; 05.8.

Selective party-line system with polarized relays placed at street junctions of party-line and sub-station loops.



9 figures, 8 claims.

11,759. 18 June. B. Trickey, W. T. Cain, and F. E. Dunnett, England.

Sec. 121. Great Britain, 20,793. 18 Sept., 1907.

Classes 59.1; 91.2.

Six-wheeled truck for handling ships' plates, with platform **j**, elevating jacks **k**, large wheels **e** for turning, and screw jacks **h**, for chocking.

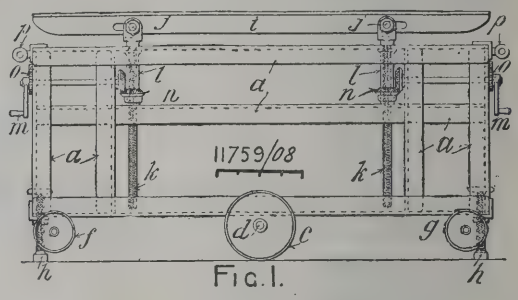


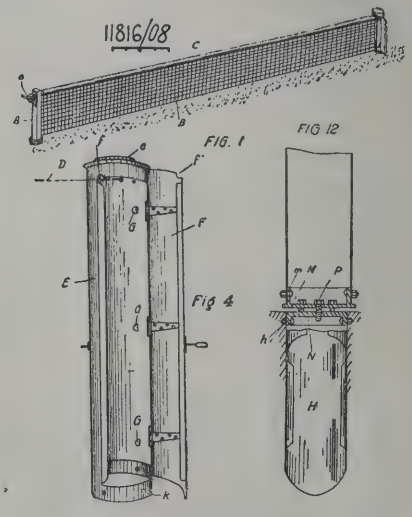
Fig. 1.

3 figures, 3 claims.

11,816. 24 June. G. Brennan and I. B. Skinner, New South Wales.

Class 53.2.

Housing pillar for tennis nets, with folding door: The pillar is fixed to ground as shown in Fig. 12; **A** is the strainer post, and **C** the sight tape.



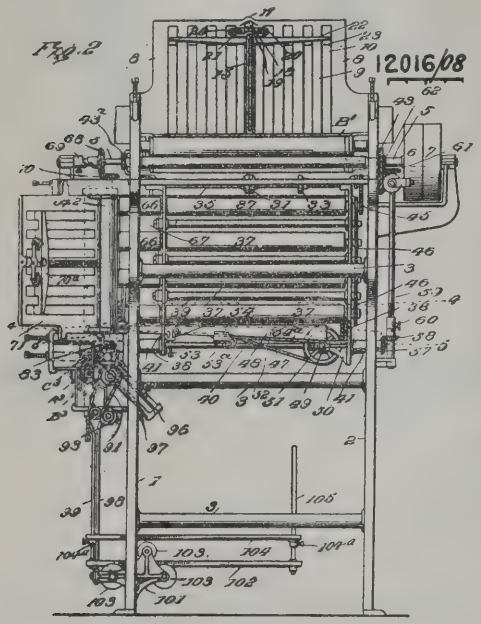
16 figures, 8 claims.

Complete Specifications Accepted- *continued.*

12,016. 21 July. O. W. Johnson, Grand River Farm, Geneva, Ohio, United States of America.

Class 48.7.

Multiple or single paper folding by sheet buckling; paper splitter at first folder; feed mechanism adaptable to make way for parallel folder; buckling plates constructed to reduce friction.



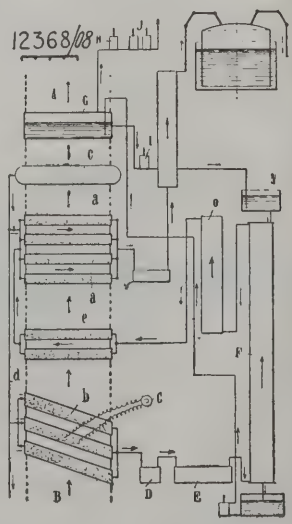
28 figures, 26 claims.

12,368. 2 Sept. P. Sabatier, France.

Classes 09.3; 21.2.

Methane or a mixture of methane and hydrogen is produced by passing water gas of constant composition over heated nickel. Plant diagram.

1 figure, 4 claims.



12,510. 15 Sept. R. H. Binney, West Australia.

Class 31.7.

Fertilizer: Powdered gypsum mixed with aqueous solution of alkaline salts, dried and crushed. Sulphate of ammonia and sulphate, nitrate, or muriate of potash preferred.

No drawing, 2 claims.

12,563. 21 Sept. E. H. Cockshott and A. W. Maley, England.

Classes 02.1; 96.6.

Magnetic track brake: A yoke **a** has one or more pole-pieces **c** which pass concentrically through holes in the pole-piece **e** to produce lateral and longitudinal flux distribution.

3 figures, 2 claims.

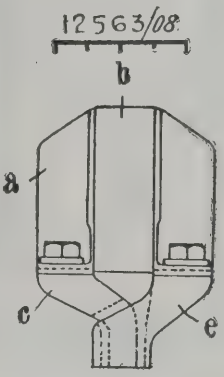


Fig 2

12,588. 24 Sept. S. A. Bradley, Victoria.

Sec. 85. Commonwealth, 296/04.

Class 57.9.

Ventilated package case with flexible divisions forming compartments.

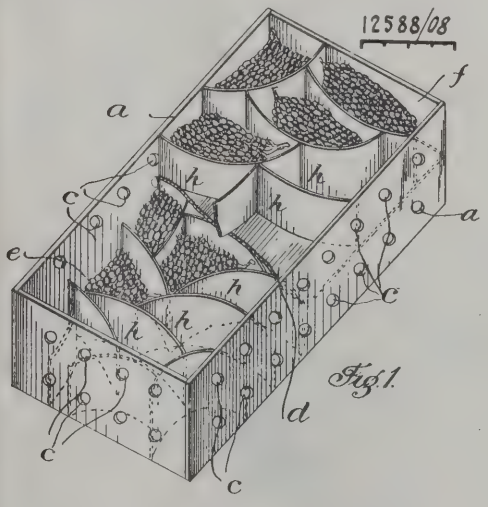


Fig 1.

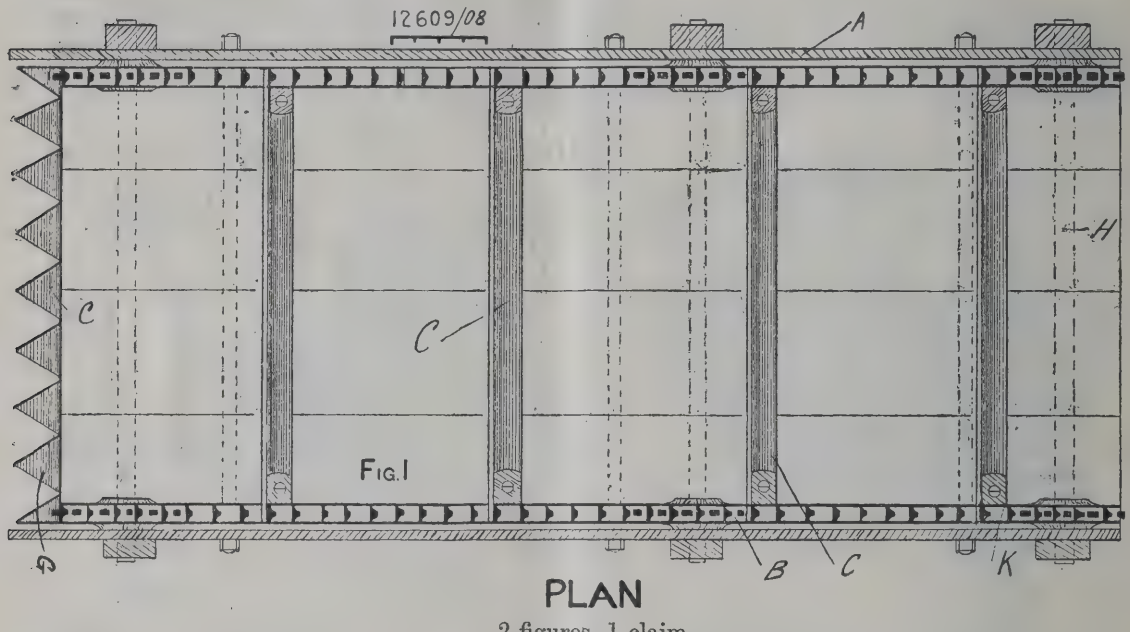
3 figures, 4 claims.

Complete Specifications Accepted—*continued.*

12,609. 28 Sept. C. G. HURREY, Victoria.

Classes 33.1; 59.5.

Cane carrier: Saw tooth carriers on endless chains.

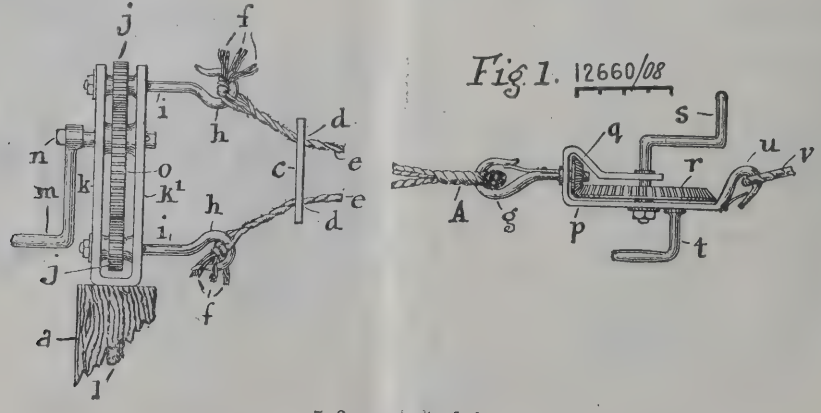


2 figures, 1 claim.

12,660. 2 Oct. V. O'DONNELL, Victoria.

Class 58.1.

Rope making machine and tension device.



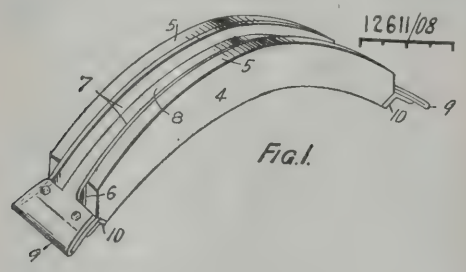
5 figures, 4 claims.

Complete Specifications Accepted—*continued.*

12,611. 28 Sept. C. H. Willmore, New South Wales.

Class 39.6.

In cart harness saddles the combination of a sheet metal trough and fin fixed to wooden base by hook ends and metal brackets.

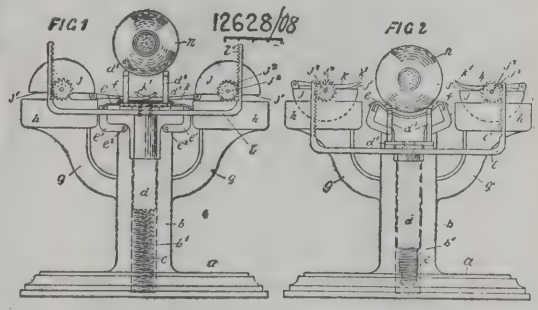


3 figures, 4 claims.

12,628. 29 Sept. G. A. Thornhill, Eng.

Classes 57.4; 79.4.

Bottle labelling machine: The gumming device is formed of two parts, mounted to rotate in oppositely disposed troughs, each working with a pivoted gumming plate. The bottle carrier has a vertical spring and is geared to spreading plates. A modification is shown.



5 figures, 5 claims.

12,680. 5 Oct. R. A. Fessenden, Mass., United States of America.

Classes 05.5; 61.9.

Anulling effects of external disturbances: Signalling by altering frequency of continuous groups of waves with frequency intermediate between commercial frequencies and the superior limit of sensibility of an aural receiver.

Solenoid operated by-pass for controlling speed of steam turbines: Contact controlled by constant speed motor and differential gear.

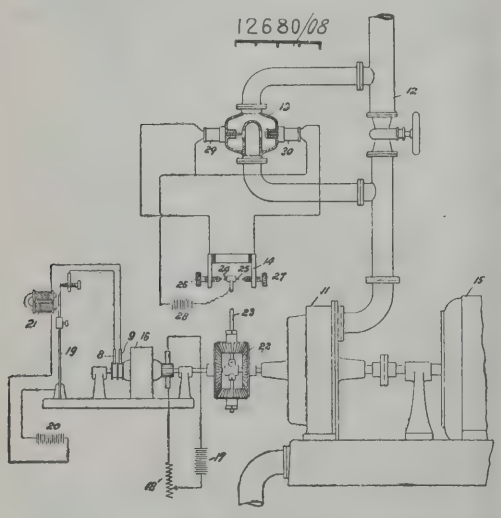
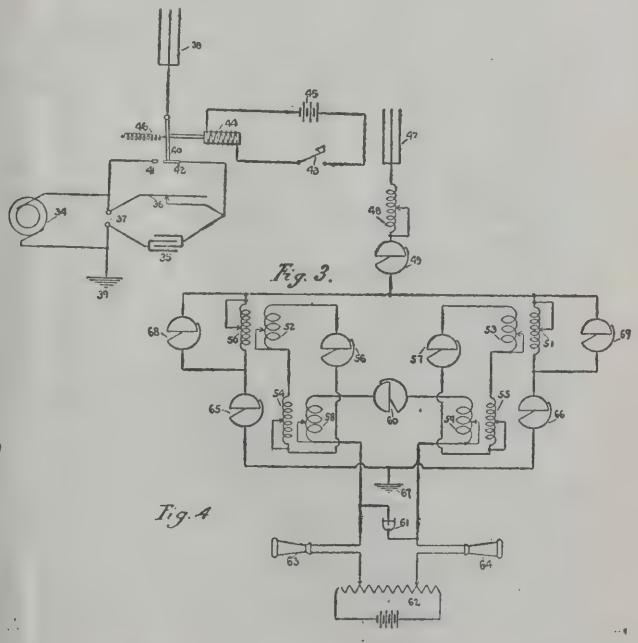


Fig. 1.

4 figures, 4 claims.

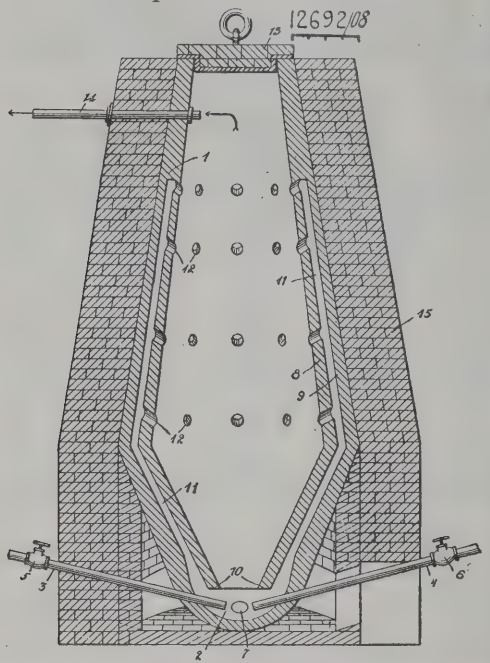


Complete Specifications Accepted—*continued.*

12,692. 6 Oct. W. F. C. M. McCarty, Maryland, United States of America.

Classes 15.5; 16.33.

Refining iron and steel by steam and air-blast in vacuo with chlorides. Blast furnace or converter with perforated walls.



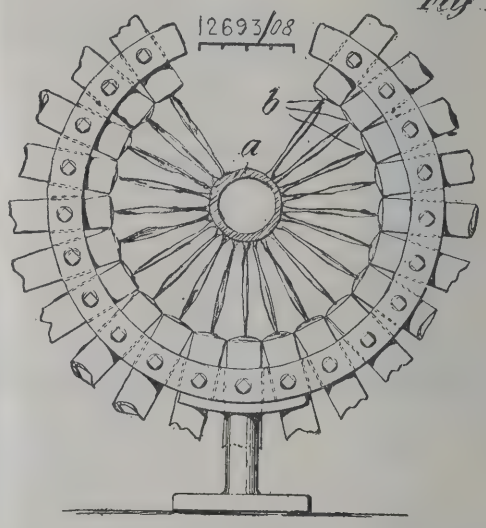
1 figure, 5 claims.

12,693. 6 Oct. P. Bornkessel, Germany.

Class 19.6.

Circle of inwardly directed adjustable thin blast flames in the same plane, or several such circles adjacent, for blowing bottoms on glass tubes.

Fig. 2



2 figures, 3 claims.

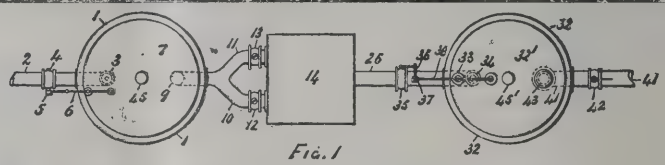


Fig. 1

12,696. 6 Oct. M. F. Mieville, England.

Class 21.4.

Carburettor plant: Air admission through perforated pipes above and below liquid surface; valves operated by movement of gasometer.

4 figures, 6 claims.

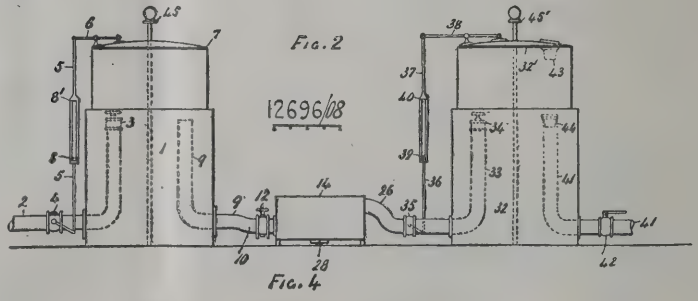
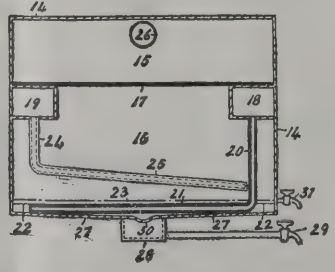


Fig. 2

Fig. 4

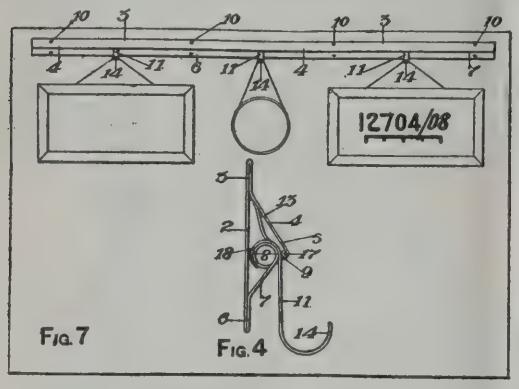


Complete Specifications Accepted—*continued.*

12,704. 7 Oct. E. Lascelles, Victoria.

Classes 46.6; 78.9.

Picture rail with dust shield and sliding hooks; folded sheet metal runner in lieu of rods.

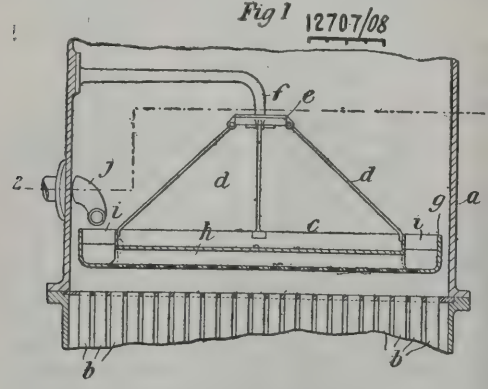


7 figures, 7 claims.

12,707. 7 Oct. F. I. Scard, England.

Classes 28.5; 68.9.

Evaporating apparatus: Liquid impinges on vanes **i** of wheel **c** which rotates and distributes liquid through pipe **h** in a spray over heating surface **b**.

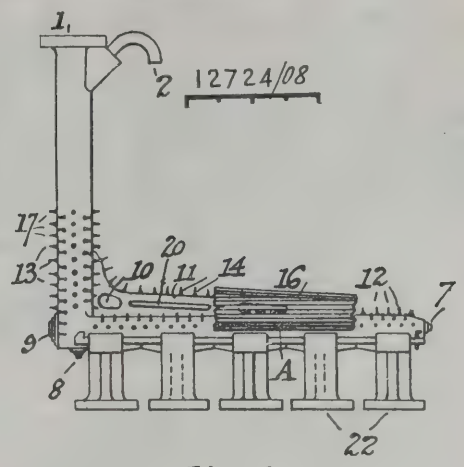


4 figures, 3 claims.

12,724. 9 Oct. T. Edwards, Victoria.

Class 16.5.

Water-cooled furnace rabble, with coating of heat insulating material.

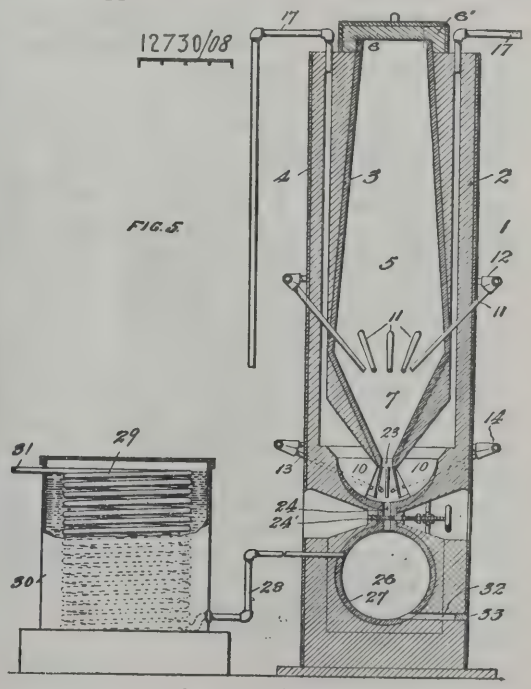


3 figures, 6 claims.

12,730. 10 Oct. W. F. C. M. McCarty, Maryland, United States of America.

Classes 15.5; 16.33.

Combined blast furnace and converter, with or without vacuum chamber **26**; body terminates in bosh **7**, entering crucible **10**; air blast through tuyeres **11**; steam through **13** into crucible; suction applied direct to crucible by pipes **17**, or metal run into chamber **26** and suction applied thereto.



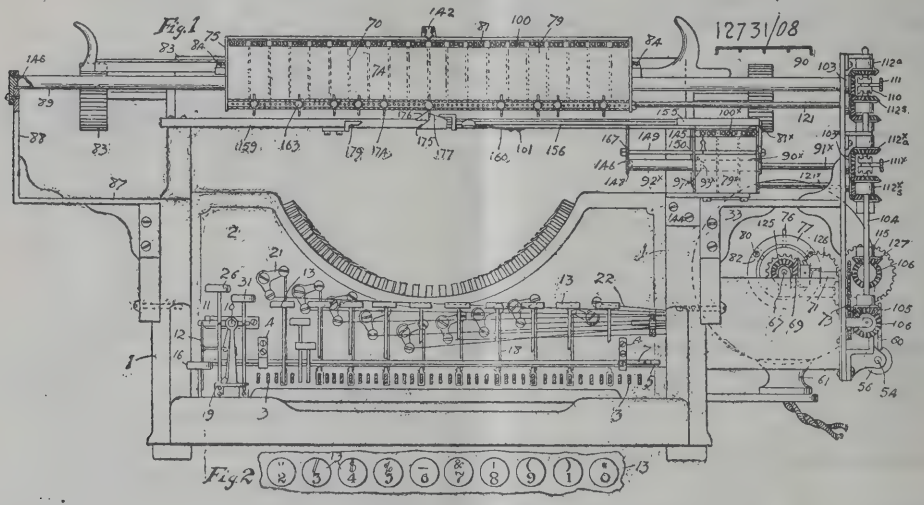
5 figures, 10 claims.

Complete Specifications Accepted—*continued.*

12,731. 10 Oct. W. Wright, Cal., U.S.A.

Classes 50.4; 56.2.

Typewriter: An attachment which may be made to any standard machine for computing both vertical columns and horizontal or cross totals as the figures are being written, the motive power being furnished by an electro motor **61**; the carriage **74** of the primary computing mechanism is shown above the keyboard, and the secondary above and a little to the right. Several modifications are shown.

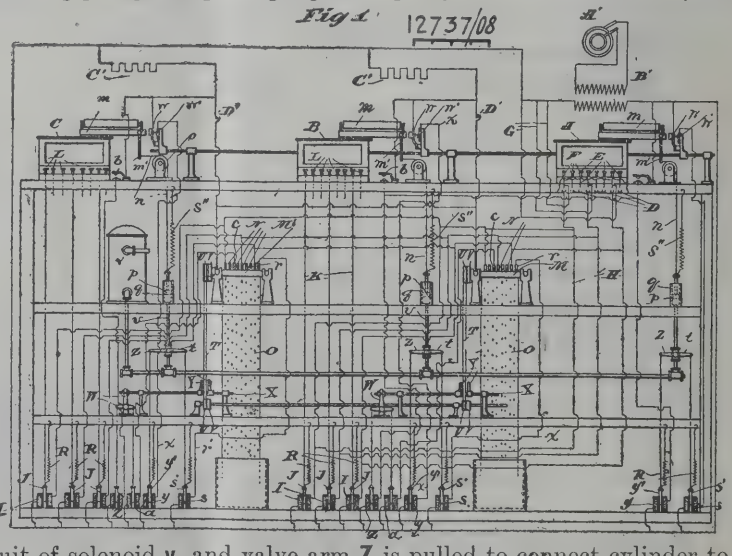


40 figures, 38 claims.

12,737. 10 Oct. F. F. Main, United States of America.

Classes 01.6; 02.8; 50.4.

Type writers: Auxiliary machines are operated electrically by keys of master machine **A** closing circuits **H** of solenoids **I** having plungers **J** pulling against springs **R** the wires **K** of keys **L** of machines **B**, **C**. The latter machines may also be operated by fingers **N** making contact with roll **M** through perforated sheet **O**, which roll is started by switch **b** closing circuit of solenoid **Z** and pulling arm **W** to close grip **Y** on driving belt, which in turn is automatically released when contact finger **c** closes circuit of solenoid **a**.



The line carriage **m** is retracted by action of finger **r** closing circuit of solenoid **S** to operate valve arm **t** to connect cylinder **q** to vacuum chamber, and the moving piston **p** pulls cord **n** on line spacing arm m^1; at end of stroke contacts **w**, w^1, close circuit of solenoid **y**, and valve arm **Z** is pulled to connect cylinder to the atmosphere.

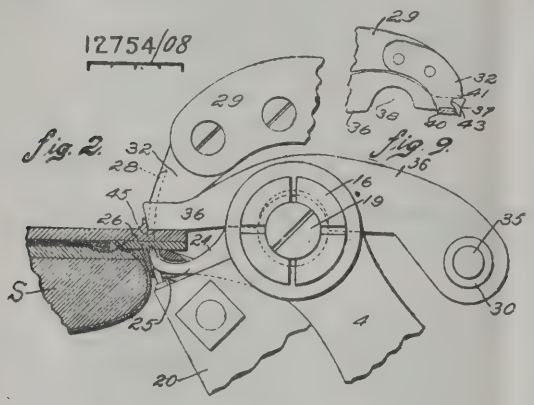
7 figures, 11 claims.

Complete Specifications Accepted—*continued.*

12,754. 12 Oct. T. G. Plant, Mass., United States of America.

Classes 42.7; 44.5.

Boot sewing: To facilitate swinging the work about the awl **28** the presser-foot **32** has a movable nose **37** kept always adjacent to the awl; the nose is mounted on an arm **36** in which is a recess **38** engaging a groove in the feed head **16** thereby having the same feed movement as the awl.

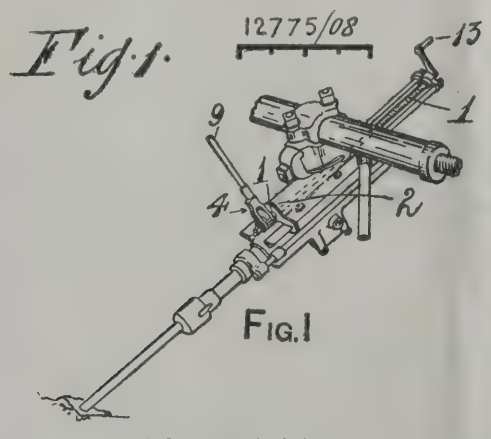


13 figures, 17 claims.

12,775. 14 Oct. H. E. D. Merry, West Australia.

Classes 85.4; 85.8.

Extended feed screw with double working ratchet for front end feeding.

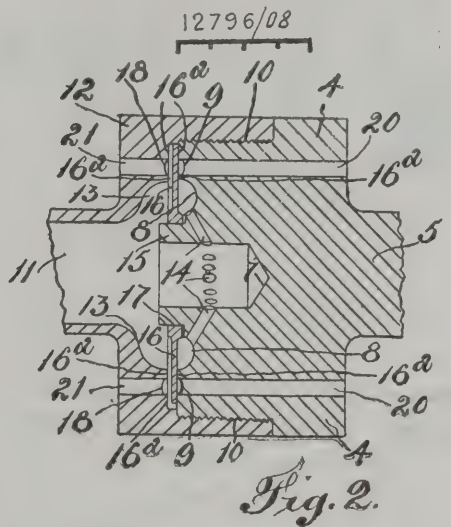


4 figures, 5 claims.

12,796. 16 Oct. J. Holgate, Transvaal, South Africa.

Class 65.9.

Disc valve enclosed in piston distributes fluid supplied through hollow tail rod; disc actuated by fall of pressure when cylinder wall exhaust ports are uncovered by piston.

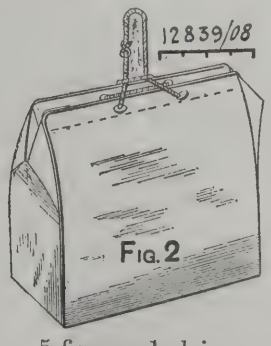


13 figures, 10 claims.

12,839. 22 Oct. J. F. Dyson, Victoria.

Classes 48.5; 57.8.

Packet for confectionery, &c., made up as shown with cardboard bottom, paper body and lining, and cord handle.



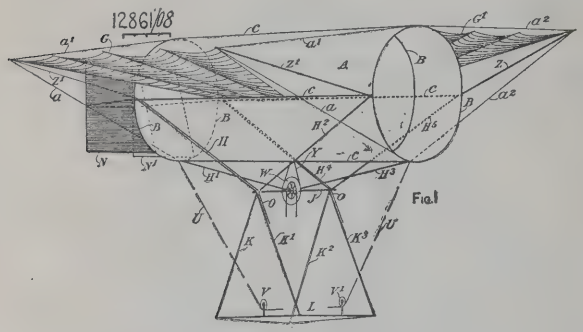
5 figures, 1 claim.

Complete Specifications Accepted—*continued.*

12,861. 26 Oct. E. G. WILSON, Queensland.

Classes 90.3; 90.5.

Flying machine: A tube **A** with fixed wings and a rudder **N** contains a central driving propeller; the inclination of the machine is adjusted by a fusee gear which swings platform **L** about pivot **J**.

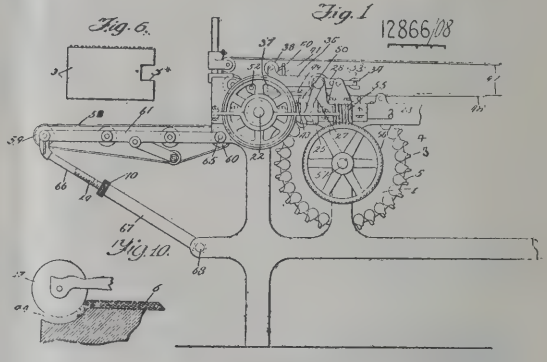


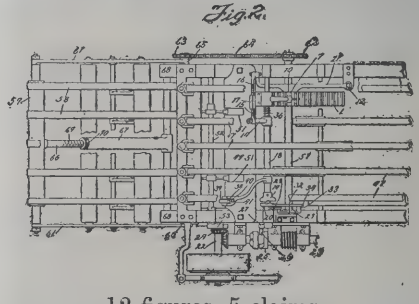
4 figures, 4 claims.

12,866. 27 Oct. G. G. TURRI (S. C. Cox, Ill., United States of America).

Class 54.3.

Addressing machine: Town marker for making a distinguishing imprint on edge of each separate batch of papers addressed. The motion is derived from shaft **22**. Drum **1** carries address marking slugs **3**, **4**, on which papers passing between conveying tapes **47**, **48**, are pressed by stamper **7**. Ordinary addressing slugs **4** press against shoe **10** to keep clutch members **19**, **20** apart, but when selective slug **3** having notch **3*** is advanced into position, spring **36** pushes clutch into action to rock sleeve **18** and depress marker arm **35**, its inking roll **38**, and impression device **37**, to mark edge of papers **6**.





12 figures, 5 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,487. William John JONES, Aucuba Lodge, Wallington, Surrey, Eng., civil engineer, and John RANALD, 23 Amherst-avenue. West Ealing, London W., Eng., fire engineer,

Application under Sec. 121.

[Date applied for 27th Feb., 1908, being date of application in Great Britain, No. 4450/08.]

"Improvements in automatic fire extinguishing sprinklers."

13,623. Sutton BENDLE, Donald Innes SMITH, and Thomas Bezley Houghton THORNE, all of 148 Sloane-street, London, S.W., Eng., wine merchants,

Application under Sec. 121.

[Date applied for 25th Feb., 1908, being date of application in Great Britain, No. 4231/08.]

"A new or improved preparation of a nourishing wine or other alcoholic fluid."

13,776. Emmeline ANDREAE, 28 Queensborough-terrace, Hyde Park, London, Eng., married woman,

Application under Sec. 121.

[Date applied for 25th Feb., 1908, being date of application in Great Britain, No. 4282/08.]

"Improvements in, and relating to, devices for suspending curtains and the like."

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 41, comprising Applications numbered from 5000 to 8199 are now complete with title pages, &c.

Vols. 42 to 45 comprise Applications from 8200 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4702. MARVIN and CASLER. *Delineating character.* Classes 53.4; 55.7; 56.4.

4706. Right Hon. W. THOMSON (BARON KELVIN) and OTHERS. *Liquid meter.* Classes 56.5; 83.9.

4708. G. D. WARREN. *Rock drill.* Class 85.4.

4709. R. JACOBS. *Lamp chimneys.* Classes 22.2; 22.5.

Printed Specifications Published—*continued.*

1905.

4710. W. G. STEVENSON. *Buttoning upholstery.* Class 42.1.

4713. THE BRITISH AMERICAN MACHINERY CO. LTD. (POLLARD and BEHRMANN). *Paper box machine.* Classes 33.4; 48.5; 57.4.

4714. T. F. LOCKE. *Wire strainer.* Class 58.3.

4717. C. O. SHAVE. *Pneumatic garment model.* Classes 43.1; 97.80.

4718. O. T. MADELEY. *Twitching and cutting wire.* Class 58.3.

4722. ROWE'S PATENT LOCK AND BLOCK LTD. (ROWE). *Railway operating treadles.* Class 98.2.

4723. S. SMITH. *Shoes.* Class 44.1.

4903. A. REDMOND. *Ruling machines.* Class 48.9.

1907.

9078. J. N. ELLIS. *Screw propellers.* Class 92.6.

9098. A. R. PULLEN. *Advertising.* Class 54.1.

9104. KIMBERLEY and LINDROTH. *Sheep counter.* Class 37.3.

9380. W. HOWARTH. *Reminder and calendar.* Class 54.4.

9475. H. PASSMORE. *Anti-rheumatic plate.* Class 87.8.

9524. UNITED SHOE MACHINERY CO. (EPPLER). *Sole levelling machines.* Classes 44.5; 62.7.

9552. A. H. RUSSELL. *Silo.* Classes 32.7; 71.6; 81.3.

9559. J. A. BANNISTER. *Frame for stoves.* Classes 24.2; 58.4.

9630. A. W. SPINKS. *Cleansing fire-arms.* Classes 25.1; 60.9; 89.3.

1908.

10,808. W. C. DOBBS. *Road vehicle wheels.* Class 97.6.

10,974. C. F. M. C. ERHARDT. *Cuff protectors.* Class 43.6.

11,081. A. FISCHER. *Talking machines.* Class 01.7.

11,118. E. N. WATERS (WOODROFFE and OTHERS). *Quadder for typographs.* Class 50.5.

11,132. W. H. WATERS (ROY). *Treating products.* Classes 29.7; 96.8.

11,133. THOMPSON TYPE MACHINE CO. (THOMPSON). *Type casting machines.* Class 50.2.

11,140. E. D. BARRETT. *Valve mechanisms.* Classes 74.7; 86.2.

11,164. G. W. J. WHITE. *Steam condensing.* Class 63.8.

11,173. E. VANDERSTEGEN. *Window sash lines.* Class 78.7.

11,177. SUNDBERG and HÄGG. *Milking machines.* Class 36.1.

11,178. MERLINO and GHIO. *Wave motor.* Class 82.4.

11,183. P. S. RENN. *Book cover and clip.* Class 48.8.

11,191. L. W. GRAYSON (SCHULTZ). *Lubricating shafting.* Class 60.9.

11,206. M. BRUKNER. *Reinforced concrete sleeper.* Classes 81.2; 98.4.

11,210. PFEIL and MELCHER. *Screw thread cutters.* Class 72.9.

11,211. G. G. TURRI (DAVIS). *Gun-carrying torpedo.* Classes 89.3; 89.6.

11,212. STRANGE and PIM. *Thin metal sheets or foil.* Classes 70.2; 73.1.

11,226. J. DEMPSEY. *Charging ovens.* Classes 34.6; 59.9.

11,238. E. ELLIOTT. *Wool washing.* Class 25.2.

11,240. HUDSON and MARDON. *Railway signalling.* Classes 98.2; 99.6.

11,286. M. A. and P. M. BLEICHERT. *Rope railways.* Class 59.4.

11,287. F. COTTON. *Burning fuel.* Classes 16.30; 17.7; 63.4.

11,289. W. A. THOMSON. *Leather strap fastenings.* Classes 39.7; 43.9.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*18th February, 1909.*			
9698	6 Sept.	N. O. Taylor	W.A.	Rock drill	457
10,270	19 Nov.	F. Davison	Vic.	Flyproof window screens ...	479
11,775	*22 Oct.	H. C. Gammeter ...	U.S.A.	Typewriter ribbon carriers...	423
		22nd February, 1909.			
10,058	21 Oct.	W. C. J. Schlie ...	Scot.	Hair-pins	667
10,182	7 Nov.	A. Griffith (Fawns & Kermode)	Eng.	Coin-freed machines ...	724
10,546	27 Dec.	A. Peddie, W. E. Pitt, & D. M. Fea	N.Z.	Vehicle ventilator ...	646
	1908.				
10,585	3 Jan.	Un. Shoe Mach. Co. (Barclay & Bates)	Eng.	Heel building machines ...	600
10,648	13 Jan.	W. W. Campbell (Haggard & Marcusson)	U.S.A.	Chairs	544
10,734	30 Jan.	G. J. Whittaker ...	N.S.W.	Self-adjusting door-stop ...	427
11,457	11 May	W. Aston	Vic.	Economizing fuel, &c. ...	614
11,976	14 July	C. S. McIntire ...	Eng.	Casting chain links ...	476
12,140	5 Aug.	J. E. Norman	Eng.	Manifolding devices ...	523
12,267	18 Aug.	A. Kilborn	Vic.	Valve mechanism	560
	1907.	*24th February, 1909.*			
10,491	19 Dec.	G. Robson	N.S.W.	Lighting, &c., gas burners...	826
	1908.				
10,892	24 Feb.	E. M. Jahraus ...	U.S.A.	Ore concentrators ...	131
11,129	25 Mar.	W. Bound & G. H. Bailey	N.S.W.	Gloves from rabbit skins ...	581
11,540	20 May	T. I. Yourelle & J. Bellingham	N.Z.	Ferro-concrete construction	341
11,572	25 May	G. T. Plumb	S. Af.	Mine signalling systems ...	698
12,034	22 July	H. G. Brinsmead ...	Eng.	Pianofortes	492
12,086	28 July	W. Snee	U.S.A.	Power motors	508
12,239	14 Aug.	C. J. Bates	N.S.W.	Cleaning tobacco pipes ...	558
12,276	19 Aug.	G. G. Turri (Bloss & Williams)	U.S.A.	Controlling fuel combustion	560

* Date granted under Sec. 121.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to–
18,905	Davis, F. H.	20th Jan., 1916
19,022	Brit. Westinghouse E. & M. Co. Ltd.	5th Mar., 1916
19,104	Babcock & Wilcox Ltd.	26th Mar., 1916
19,200	Baron, L. B.	24th Apr., 1916

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to–
7524/5576	Mitchell, J.	13th Feb., 1916
7553/5595	Brit. Westinghouse E. & M. Co. Ltd.	3rd Mar., 1916
7645/5667	Baron, L. B.	22nd Apr., 1916

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to–
3725	Davis, F. H.	28th Jan., 1916
3830	Baron, L. B.	17th Apr., 1916

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	
,, E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

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9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 10.] 1909. [No. 9.
(WITH SUPPLEMENT).

Tuesday, 9th March.

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THE

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Notices.

Applications Received, 13,844 to 13,916.

Commonwealth Proceedings.

States Proceedings.

Supplement—Monthly Indexes, February, 1909.

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Copyright Rules, Statutory Rules 49/*07*		8d.
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Designs Rules, Statutory Rules 51/*07*		5d
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NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent No. 8068, dated the 22nd of February, 1909, for:—

"AN IMPROVED ICE MAKING APPARATUS"

is prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.

RHEINISCH-NASSAUISCHE BERGWERKS- & HUTTEN-ACTIEN-GESELLSCHAFT'S Australia Letters Patent No. 5447, dated 14th March, 1906, for "Round buddle for dressing ores."

FOR SALE or LICENSE TO MANUFACTURE the above patented invention on reasonable terms. OR offers, proposals, or suggestions, from any person, firm, or corporation desirous of making, using, exercising, and or vending the patented invention in Australia, or of otherwise supplying the requirements of the public in respect to said invention, will be favorably considered. Specification and drawings of the patent may be inspected at the Custom Houses of the Capital Cities of the States and at the addresses below.

For the Patentee, **FRED WALSH, Patent Attorney,**
George and Wynyard Streets, Sydney, and The Olderfleet, Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that the grantees of Australian Patent **No. 5952,** dated 21st May, 1906, for **"Improvements relating to the treatment of complex sulphide ores,"** are prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.

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MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

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CONTENTS.

	Page
Notices—	
Subscriptions for 1909	161
Payment of Acceptance and Sealing Fees ...	161
Commonwealth—	
Applications Received	162
Provisional Specifications Accepted ...	167
Complete Specifications after Provisional ...	168
Applications (Prov.) Lapsed	169
Applications Abandoned, &c.	169
Complete Specifications Accepted ..	169
Illustrated Notes	169
Commonwealth—*continued.*	
Specifications open to Public Inspection before acceptance	178
Printed Specifications Published	179
Letters Patent Sealed	181
Victoria—	
Renewal Fees Paid	183
Queensland—	
Renewal Fee Paid	183
South Australia—	
Renewal Fee Paid	184

NOTICES.

Subscriptions for 1909.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.2573.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 25th February to 3rd March, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 25th February.

13,844. *Prov.* Walter Alfred Ernest BLUMFIELD, 108 Shield-street, Flemington, Vic., blacksmith,

"Improved convertible pipe tongs."

13,845. *Prov.* Charles Henry FULHAM, 6 Ivy-street, Redfern, N.S.W., galvanized iron worker,

"The Fulham flushing cistern."

13,846. *Comp.* POTTER'S SULPHIDE ORE TREATMENT LIMITED, 369 Collins-street, Melbourne, Vic., ore treater, *assignee of* Thomas John GREENWAY, *act. inv.*, 369 Collins-street, Melbourne, Vic., metallurgist,

"An improved process for the separation of metallic sulphides from sulphide ores."

13,847. *Comp.* John SHEARER and David SHEARER, both of Main-street, Mannum, S.A., machinists,

"Improvements in stripper harvesting machines."

13,848. *Prov.* Anthony James CALLINAN, The Rialto, 493-495 Collins-street, Melbourne, Vic., patent attorney, *agent of* Ernest CLARK, *act. inv.*, Victor Julius HEINECKE, *assignee*, John Ames COCHRANE, *assignee*, and Henry PASK, *assignee*,

"An improved method of manufacturing the covers of pneumatic tyres."

13,849. *Prov.* Charles HUTTON, 410 Collins-street, Melbourne, Vic., valuer,

"Sprinkling device for watering gardens and the like."

13,850. *Prov.* Alfred Henry STEVENSON, 350 Moray-street, South Melbourne, Vic., joiner,

"Improvements in or connected with windows."

13,851. *Comp.* George Henry PEDLAR, Oshawa, Ontario, Canada, manufacturer,

"An improved metallic culvert."

13,852. *Prov.* Richard KING, "Tubbo," Whitton, N.S.W., blacksmith,

"An improved float-operated cock applicable for use with stock-troughs and the like."

13,853. *Prov.* Johannes Ignatius TIEFENBECK, 6 Eddy-avenue, Sydney, N.S.W., accountant,

"Tiefenbeck's killsmell ejector."

13,854. *Comp.* Benjamin HOLT, 584 East Park-street, Stockton, San Joaquin, Cal., U.S.A., manufacturer,

"Traction engine."

13,855. *Comp.* Anders PONTEN, 1537 Alcatrz-avenue, Berkeley, Alameda, Cal., U.S.A., mechanical engineer,

"Fluid cushioned bearings."

13,856. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Arthur Ernest JERRAM, *act. inv.*, Union Works, Belgrave-road, Leicester, Leicestershire, Eng., engineer,

"Improvements in or relating to feeding mechanisms for shoe machinery."

Applications received, 25th February to 3rd March—*continued.*

13,857. *Comp.* James Bates, 15 Delbridge-street, North Fitzroy, Vic., stove manufacturer,

"An improved low pressure hot water service cistern for domestic purposes."

13,858. *Comp.* John Collins Clancy, 909 St. Marks-avenue, Brooklyn, New York, U.S.A., chemist,

"Treatment of ores bearing precious metals."

13,859. *Comp.* Alexander Parker, *act. inv.*, Kelburne-parade, Kelburne, Wellington, N.Z., engineer; Arthur Grenville Hume, *act. inv.*, National Mutual Buildings, Wellington, N.Z., engineer; John Routley, *assignee*, Rawhitiroa House, 105 Main-street, Eastbourne, Wellington, N.Z., settler; Matthew Routley, *assignee*, 5 Rawhiti-terrace, Kelburne, Wellington, N.Z., builder; Robert Edwin Manley, *assignee*, 95 Kelburne-parade, Kelburne, Wellington, N.Z., broker; and Herbert Douglas Vickery, *assignee*, 246 Lambton Quay, Wellington, N.Z., accountant,

"An improved machine for printing and making tag labels."

13,860. *Comp.* Richard John Fry, corner of Lloyd and Bruce streets, Kensington, Vic., mechanic,

"An improved machine for forming clips on horse-shoes."

Friday, 26th February.

13,861. *Comp.* William Vandyke Watson, Matehuala, San Luis Potosi, Mexico, chemist and metallurgist,

"Process for the extraction of precious metals from ores."

13,862. *Comp.* William Vandyke Watson, Matehuala, San Luis Potosi, Mexico, chemist and metallurgist,

"Process for the precipitation of precious metals from cyanide solutions containing the same."

13,863. *Comp.* Alexander G. Uptegraff, Lenox, Mass., U.S.A., gentleman (George N. Kinnell, *act. inv.*, Pittsfield, Mass., U.S.A., gentleman),

"Improvements in or relating to overshoes for horses and other hoofed animals."

13,864. *Prov.* Henry Manderson, 175 Dryburgh-street, North Melbourne, Vic., engineer,

"Balanced slide valve for steam engines."

13,865. *Prov.* Lionel Frederick Malcolm, 62 Chapel-street, Windsor, Vic., manager,

"A floating portable bath heater."

13,866. *Prov.* Peter Roger Hughes, Waterloo-street, Geelong, Vic., storeman,

"Improved metallic bale fastener."

13,867. *Prov.* Albert John Fortescue, Arncliffe, N.S.W., manufacturer,

"Improvements in devices for securing the ends of metal tyres for vehicle wheels."

13,868. *Comp.* Edwin Phillips, 533 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Thomas Gustave Plant, *act. inv.*, Hotel Somerset, Commonwealth-avenue, Boston, Mass., U.S.A., manufacturer,

"Improvements in or relating to bobbin winding mechanism."

13,869. *Prov.* Andrew James Fiske, 243 Queen-street, Melbourne, Vic., livery stable proprietor,

"An improved fastening for horse and cattle rugs."

13,870. *Prov.* Thomas Lane, 8 Cecil-street, "Highgate," Perth, W.A., builder,

"The patent ventilator closet."

13,871. *Prov.* William Hardwick, Avon-terrace, York, W.A., saddler,

"Improvements in saddles."

13,872. *Prov.* Percy Charles William Shaw, civil engineer, c/o W. Steele, 7 Pirie-street, Adelaide, S.A.,

"The Shaw signalling device for electric tramways."

13,873. *Prov.* James Henry Fraser, Youanmite, farmer,

"The waratah seed coverer."

Applications received, 25th February to 3rd March—*continued.*

13,874. *Comp.* Thomas Joseph MURPHY, Rochester, New York, U.S.A., electrical engineer,

"Electricity rectifiers."

13,875. *Prov.* Alexander MENESDORFFER, Bourke-street, St. Albans, Vic., fine art dyer,

"Improved manufacture of a leather substitute."

13,876. *Prov.* Thomas Jefferson GILBERT, agent, c/o Phillips, Ormonde & Co., 533 Collins-street, Melbourne,

"Improvements in cycles for absorbing road shock."

13,877. *Prov.* Henry Reginald BARLOW, *act. inv.*, 54 Chatsworth-road, East Prahran, Vic., gentleman, and Ernest Albert ROW, *assignee*, Albion-street, Brunswick, Vic., accountant,

"An improvement relating to strap handles."

13,878. *Prov.* Murray Francis EDWARDS and Michael MCGINNESS, trading as Edwards & McGinness, of 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved gas and gas generator for use on spraying machines."

13,879. *Prov.* Murray Francis EDWARDS and Michael MCGINNESS, trading as Edwards & McGinness, of 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved chair stay."

13,880. *Prov.* Murray Francis EDWARDS and Michael MCGINNESS, trading as Edwards & McGinness, of 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved spray pump."

Saturday, 27th February.

13,881. *Prov.* CHIPMAN LIMITED, 54 Margaret-street, Sydney, N.S.W., merchant, *agent of* GRIP NUT COMPANY, 152 Lake-street, Chicago, Ill., U.S.A., *assignee of* Daniel O. WARD, *act. inv.*, Oak Park, Ill., U.S.A., inventor,

"Improved lock nut."

Monday, 1st March.

13,882. *Prov.* Henry Stedman CARR, 121 Pitt-street, Sydney, N.S.W., agent,

"An improved appliance for joining and repairing hose piping."

13,883. *Prov.* Herbert LEE, Bowral-street, Kensington, N.S.W., and John Bryden BROWN, 16 Pitt-street, Sydney, N.S.W., engineers,

"An improved rotary pump, engine or compressor."

13,884. *Prov.* Alfred EARP, manager Café National Ltd., Macquarie-street, Hobart, Tas.,

"Improved method of and apparatus for measuring and storing tea and other like commodities until required for use."

13,885. *Prov.* James Augustus MILLER, Hunter-road, East Camberwell, Vic., railway employé,

"A convex roof spouting or gutter shield."

13,886. *Comp.* MASSEY-HARRIS CO. LIMITED, 915 King-street west, Toronto, Ontario, Canada, manufacturer, *assignee of* Charles MCLEOD, *act. inv.*, same address, manager of patent department of said company,

"Certain new and useful improvements in centrifugal separator bowls, Case 1."

13,887. *Comp.* MASSEY-HARRIS CO. LIMITED, 915 King-street west, Toronto, Ontario, Canada, manufacturer, *assignee of* Charles MCLEOD, *act. inv.*, same address, manager of patent department of said company,

"Certain new and useful improvements in centrifugal separator bowls, Case 2."

13,888. *Comp.* MASSEY-HARRIS CO. LIMITED, 915 King-street west, Toronto, Ontario, Canada, manufacturer, *assignee of* Charles MCLEOD, *act. inv.*, same address, manager of patent department of said company,

"Certain new and useful improvements in centrifugal separators."

Applications received, 25th February to 3rd March—*continued.*

13,889. *Comp.* Malcomess and Company Limited, East London, Cape Colony, S.Af., merchant, *assignee of* Frederick Walter Baynes, *act. inv.*, 38 Commissioner-street, East London, Cape Colony, S.Af., engineer,

"Improvements in apparatus connected with pumping machinery and the like."

13,890. *Prov.* Niels Johan Westergaard Nielsen, Lake View, Gatton, Qld., farmer,

"An improved cultivator."

13,891. *Prov.* Charles Edward McFarlane, mechanical engineer, care of Arthur Robinson, 55 Adelaide-street, Brisbane, Qld.,

"Improvements in apparatus for the production of gas from hydro-carbon oils."

Tuesday, 2nd March.

13,892. *Prov.* Achilles Gray, Race Course-road, Wedderburn, Vic., veterinary surgeon,

"A dirty water trap."

13,893. *Comp.* Franz Aders, Friedrich-strasse 185, Berlin, Germany, merchant,

"Improvements in key-board mechanism."

13,894. *Prov.* John Gilruth Gilruth, 2 Bourke-street, Melbourne, Vic., tea merchant,

"Automatic sanitary commode."

13,895. *Prov.* John Alfred Nott, 7 Sydenham-street, Moonee Ponds, Vic., traveller, and James Charles Testro and Albert Dondey, both of 274 City-road, South Melbourne, Vic., coppersmiths,

"A detachable guard for hat pin points."

13,896. *Comp.* Henry Hay, *assignee*, mine manager, and Bruce Edward Tennent, *act. inv.*, metallurgist, both residing on the property of the Witwatersrand Deep Limited, Knights, Transvaal, S.Af.,

"An improved material for precipitating gold from solutions also applicable for removing vegetable colouring matter from solutions of sugar or other soluble substances, and method of manufacturing the same."

13,897. *Prov.* George Thomas Edwards, *M.B.H.I.*, 7 Clive-row, Calcutta, Brit. India, engineer,

"An improved automatic gasometer."

13,898. *Prov.* Alexander Anderson, Kobb-street, Albion, Qld., foreman of works,

"An automatic deodorant distributor."

13,899. *Comp.* Walter Claude Johnson, Broadstone Farm, Colemans Hatch, Sussex, Eng., engineer,

Application under Sec. 85, additional to 10,534/07.

"Improved water distributer."

13,900. Richard Bowen, Evesham-road, Cheltenham, Gloucestershire, Eng., cement specialist and engineer,

Application under Sec. 121.

[Date applied for 12th Mar., 1908, being date of application in Great Britain, No. 5574/*08*.]

"Apparatus to be employed in building walls of concrete or the like."

13,901. *Prov.* John Scott, 3A Astrop-terrace, The Grove, Hammersmith, London, Eng., professor of agriculture and drainage engineer,

"Mechanical land-drainer."

13,902. *Prov.* Maude Davidson Collier, Ryrie-street, Geelong, Vic., married woman,

"Improvements in cooking utensils."

Wednesday, 3rd March.

13,903. *Prov.* Francis Clinton Pelham, Coward-street, North Botany, N.S.W., postmaster; Alfred James King, Linden-street, North Botany, N.S.W., builder; and James Thomas Ralph, Gardeners-road, North Botany, N.S.W., boot operator,

"Improved combination boot heel."

13,904. *Prov.* George William Mascord, 5 The Crescent, Barnes, London, S.W., Eng., mechanician,

"Improvements in and relating to the distribution of electromotive power."

13,905. *Comp.* Frank Fayers Kerr, Staplands Hall, Thomas-lane, Broad Green, Liverpool, Lancashire, Eng., engineer,

"Improvements in pneumatic tyres."

Applications received, 25th February to 3rd March—*continued.*

13,906. *Prov.* Percy PEMBERTON, *act. inv.*, 2 Burns-street, Prahran, Vic., storeman, and Julius STAUBLI, *assignee*, 8 Mulberry-road, Richmond, Vic., traveller,

"Football bladder fastener."

13,907. Arthur Hungerford POLLEN, 188 and 189 Fleet-street, London, Eng., director; John Glennie HOLBOURNS, *act. inv.*, linotype operator, same address; and William FLETCHER, *act. inv.*, Linotype and Machinery Depôt, Mercers-avenue, Endell-street, Long Acre, Middlesex, Eng., engineer,

Application under Sec. 121.

[Date applied for 18th Mar., 1908, being date of application in Great Britain, No. 6027/*08*. Application also made in U.S.A., 28th July, 1908.]

"Improvements connected with the magazines of typographical composing machines."

13,908. *Comp.* George Garibaldi TURRI, 497-499 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* SOCIÉTÉ ANONYME, "LA PHOTOGRAPHIE DES COULEURS," Antwerp, Belgium, manufacturer, *assignee of the act. inv.*,

"A method of preparing solutions used in the bichromate gelatine process for photographic printing."

13,909. *Comp.* George Garibaldi TURRI, 497-499 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* SOCIÉTÉ ANONYME, "LA PHOTOGRAPHIE DES COULEURS," Antwerp, Belgium, manufacturer, *assignee of the act. inv.*,

"A photographic objective of triangular prismatic form, allowing several images of the same object to be produced simultaneously."

13,910. *Comp.* George Garibaldi TURRI, 497-499 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* SOCIÉTÉ ANONYME, "LA PHOTOGRAPHIE DES COULEURS," Antwerp, Belgium, manufacturer, *assignee of the act. inv.*,

"Photographic objective for colour photography (three plate process)."

13,911. *Comp.* George Garibaldi TURRI, 497-499 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* SOCIÉTÉ ANONYME, "LA PHOTOGRAPHIE DES COULEURS," Antwerp, Belgium, manufacturer, *assignee of the act. inv.*,

"Printing on paper of photographs in colour."

13,912. Ettore BELLINI and Alessandro TOSI, both of 4 rue du 29 Juillet, Paris, France, civil engineers,

Application under Sec. 121.

[Date applied for 7th Mar., 1908, being date of application in France, No. 387,933/*08*.]

"System of directed wireless telegraphy."

13,913. *Comp.* Reginald Thomas Stephen PEACOCKE, Tingha, N.S.W., farmer,

"Improvements in door stops."

13,914. *Prov.* Samuel Hepburn DONKIN, 35 Old Custom House-street, Wellington, N.Z., mechanic,

"An improved safety pocket."

13,915. *Prov.* John William BENTON, Mulbring, East Maitland, N.S.W., school teacher,

"An improved educational device for instruction in writing and the like."

13,916. *Prov.* Percy Henry SHAILER, 34 Bayswater-road, Darlinghurst, N.S.W., and William Rayner HEBBLEWHITE, "Warapau," Raglan-street, Mosman, N.S.W., engineers,

"'Ixion' wheel."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

12,607. Fitridge, W. H., & White, R. T.
An improved monkey wrench.
13,107. Freebody, J. H.

1909.

13,515. Charker, P. G.
13,538. Retallack, T.
13,539. Falls, W.
13,541. Giles, F.
13,548. Wilson, P., & Pike, H. R.
13,552. McDonnell, H. J.
13,560. Schulze, C. O.
13,570. Hadida, H.
13,571. Malone, W. M.
13,574. Finlayson, J., & Carroll, J. G.
13,588. Clark, G.
13,598. Mintern, D. A.
13,599. Begg, C. E.
13,600. Warner, T.
13,603. Kent, A. F., & Wright, A. H.
Musical advertising slot selling machine.
13,611. Parsons, W., Wright, F. H., & O'Callaghan, W.
13,617. Levinson, W.
13,632. Bowser, G. M.
13,634. Wallace, F. W. (Wallace, C. J.)
13,639. Dick, H.
13,640. Kelly, R. T.
13,645. W. P. Smith, Nicolson & Pty. Ltd. (Bradley)
13,646. Godsil, H. L.
13,649. Morish, W. H.
13,651. Morish, W. H.
13,652. Eldred, J.
13,668. Dunn, Ella
13,685. Nesbitt, Eda
13,687. Sachs, V.
13,689. Walker, G.
13,700. Pomeroy, J.
13,701. Ostberg, J.
13,721. Mounsey, W. J., & Hughes, J.
13,724. McDonald, R.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,358. John Joseph CHARLEY, 14 Gellibrand-street, Kew, Vic., farmer,

"Improvements in road traction vehicles and the like." 24th Feb., 1909.

11,597. Edward Hope KIRKBY, 120 Bathurst-street, Sydney, N.S.W., electrician,

"Improvements in thermostatic alarms or indicators." 27th Feb., 1909.

11,610. Edward ALAND, bootmaker, and Anthony Henry SCOTT, estate agent, both of Heidelberg-road, Ivanhoe, Vic.,

"An improved boot or other article of footwear." 1st Mar., 1909.

11,621. James Hardgrave SHEKLETON, inventor, care of Central Hotel, Wellington-street, Perth, W.A.,

"Improved bond for the manufacture of briquettes." 26th Feb., 1909.

11,644. Henry MERRETT, Spring Vale-road, East Burwood, Vic., engineer, and Charles Edward MERRETT, 48 Queen's Bridge-street, S. Melbourne, Vic., merchant,

"Improvements in or relating to internal combustion engines." 2nd Mar., 1909.

11,653. James Johnson SHUTTLEWORTH, Lauriston, Parramatta-road, Ryde, N.S.W., architect,

"Improvements relating to vault and grave structures and coverings." 3rd Mar., 1909.

11,675. Alfred William HORWOOD, P.O., Maryborough, Qld., mechanic,

"Baking cabinet." 25th Feb., 1909.

11,691. George William POWELL, Brucefield, S.A., farmer,

"A new or improved fertilizer." 3rd Mar., 1909.

11,757. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* Erastus Edwin WINKLEY, *act. inv.*, 416 Union-street, Lynn, Essex, Mass., U.S.A., mechanical engineer,

"Improvements in or relating to machines for operating upon soles of boots and shoes." 25th Feb., 1909.

11,758. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* John Benjamin HADAWAY, 696 North Main-street, Brockton, Plymouth, Mass., U.S.A., inventor,

"Improvements in or relating to vamp trimming machines." 25th Feb., 1909.

11,977. John SHEARER and David SHEARER, both of Main-street, Mannum, S.A., machinists,

"Improvements in stripper harvesting machines." 25th Feb., 1909.

12,367. Edwin RESEIGH, Rich Avon West, *viâ* Avon Plains, Vic., grazier,

Application under Sec. 85, additional to 10,392/07.

"An improved covering for roof gutters." 2nd Mar., 1909.

12,539. Owen Arthur WARD, Mackie-street, Port Augusta, S.A., wheelwright and coach builder,

"Improvements in wheels for vehicles." 3rd Mar., 1909.

13,104. Robert YOUNG, Gormanston, West Coast, Tas., surface foreman,

"An improved method of and means for ventilating mines and the like." 1st Mar., 1909.

13,282. John KANNULUIK, 308 Queen-street, Melbourne, Vic., cabinet maker,

"Method of and means for hinging closet seats or the like." 27th Feb., 1909.

1909.

13,521. Henry James MARKS, Margaret-street, Toowoomba, Qld., architect,

"Appliances for engaging or releasing the coupling to or from the draw hooks of railway vehicles." 1st Mar., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,360. Yabsley, W. H.
11,362. Taylor, E. H., Small, J., & Harris, H. T.
11,364. Leggo, F. H.
11,365. Varley, W. J. F.
11,367. Buck, R., & Vonarx, F. J.
11,368. Gleadall, W. H.
11,370. Cuttriss, E. J., & King, T. S.
11,376. Webster, G.
11,377. Hughes, P. W., Drew, F., & Widdop, T. S. A.
11,385. Bolton, T.
11,390. Finck, E. H.
11,393. Page, J.
11,397. Gale, J.
11,398. Flemming, J. J. W.
11,399. Flemming, J. J. W.
11,400. Day, H. F.
11,401. Perkins, J. F.
11,403. Dawson, B. F. H.
11,404. Bland, L. N.
11,405. Bland, L. N.
11,407. Clayton, C. W.
11,408. Laughlin, J. S.

Applications Abandoned, Withdrawn, &c.

1907.

10,563. *Comp.* (*Abandoned.*) Ernest Moss, 183 Hereford-street, Christchurch, Canterbury, N.Z., mechanic,

"An improved machine for use in stamping and franking letters, telegrams and the like."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,757. Destefani.
10,831. Watson.
10,919. Ryan.
11,059. Scott.
11,170. Haselwood.
11,387. Millar.
11,434. Trewhella.
11,805. Brightfield.
12,017. Vogler.
12,107. Syvret.
12,159. Allen.
12,282. Granieri.
12,304. Tink.
12,315. Barker.
12,479. Ruping.
12,490. Phipps.
12,659. Coughlan.
12,699. Eccleston.
12,706. Elphick.
12,710. Thomas.
12,733. Heiman.
12,755. Lanier.
12,760. Thomas.
12,762. Smith.
12,774. Thomas.
12,786. Crippen.
12,828. Stephenson.
12,869. Fortescue.
12,872. Arbuckle.
12,899. Schmatolla.
12,915. Dodd.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

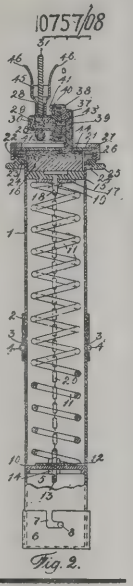
The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

Complete Specifications Accepted—*continued.*

1908.



10,757. 21 Feb. THE NEW TRANSVAAL CHEMICAL CO. LTD. & P. DESTEFANI, Transvaal, S. Africa.

Class 22.2.

Spring piston feed revoluble burner: Blade and hook support; wick treated with acetic acid; clamping screw and flanges; bayonet joint.

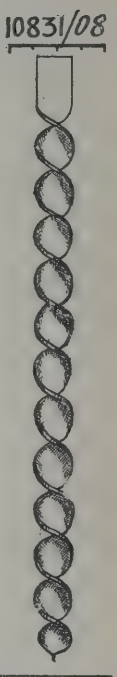
7 figures, 14 claims.

10,831. 13 Feb. G. D. WATSON, New Zealand.

Class 81.8.

Fence standard: Helically twisted strip of metal.

1 figure, 1 claim.

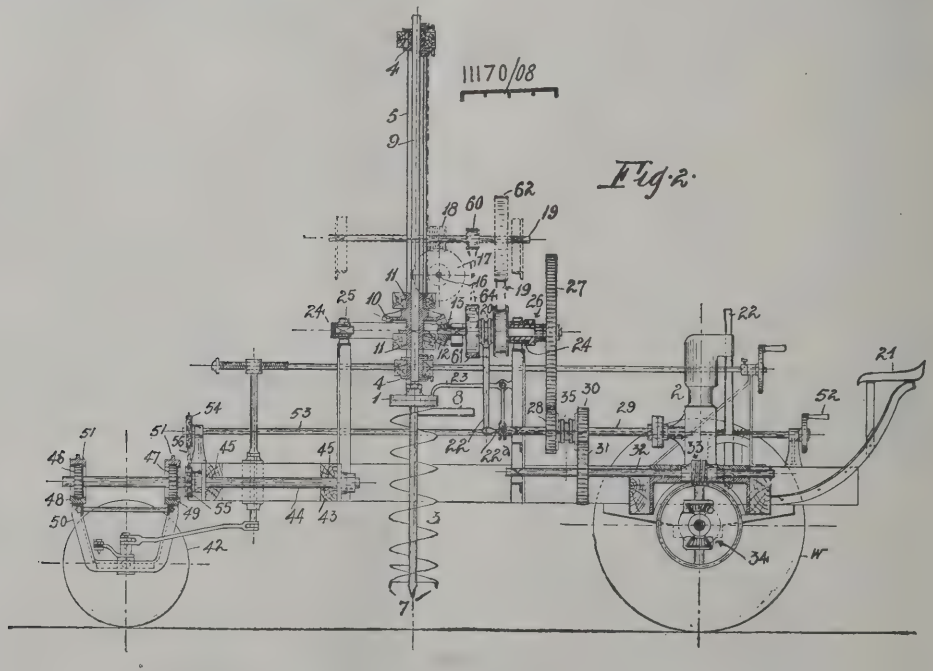


10,919. *Illustration next issue.*

11,170. 31 Mar. F. H. V. HASELWOOD, Queensland.

Classes 85.7; 95.5.

Automobile post-hole borer: Auger **3** with vertical slides **5** swings on trunnions **25**; traversing rack **48** on fore-carriage for cross adjustment; ground wheel and automatic stop cam for post spacing.



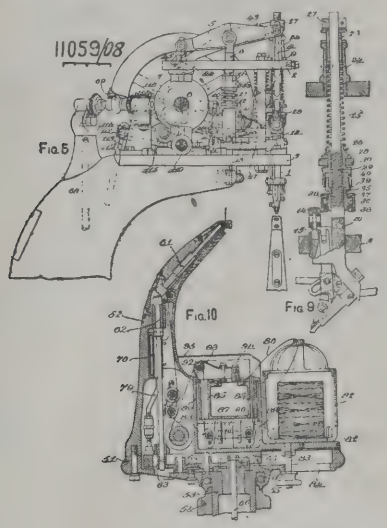
6 figures, 15 claims.

Complete Specifications Accepted—*continued.*

11,059. 16 Mar. United Shoe Machinery Co. (J. R. Scott, Mass., U. S. America).

Classes 42.7 ; 44.5 ; 61.5.

McKay sewing machines : Seam compressed by presser-foot during stitch setting ; yielding needle bar fulcrum controlled by presser-foot ; horn heating device ; wax pot and stop action.

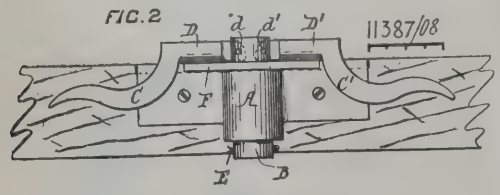


16 figures, 11 claims.

11,387. 29 Apr. J. A. Millar. New Zealand.

Class 92.6.

Folding rowlocks : When in use the prongs **C** are lifted and hinged stems **D** dropped down into socket **A**.

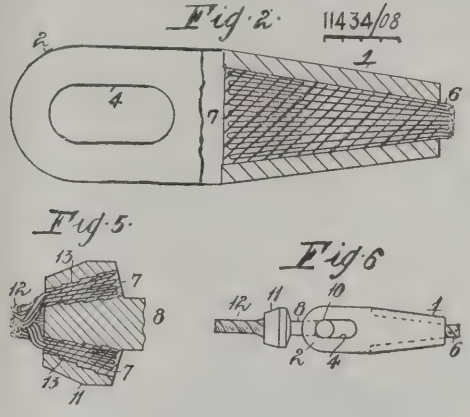


3 figures, 3 claims.

11,434. 4 June. B. Trewhella and W. Trewhella, Victoria.

Classes 58.1; 58.7.

Wire rope shackle : Fastening rope to shackle by bending back strands in tapered shank and running in with metal.

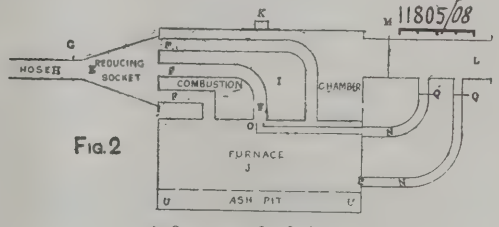


6 figures, 2 claims.

11,805. 23 June. J. W. Brightfield and T. G. Wilson, New South Wales.

Class 38.9.

Rabbit fumigator : Metal furnace for burning sulphur, &c., with tubular flues through upper compartment, in which gases are generated ; blower.



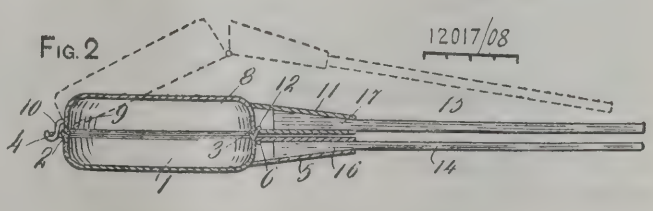
3 figures, 2 claims.

12,017. 21 July. C. A. Vogler and M. Nelson, Washington, United States of America.

Class 24.7.

Double invertible frying pan with removable handles in folding sockets.

5 figures, 10 claims.

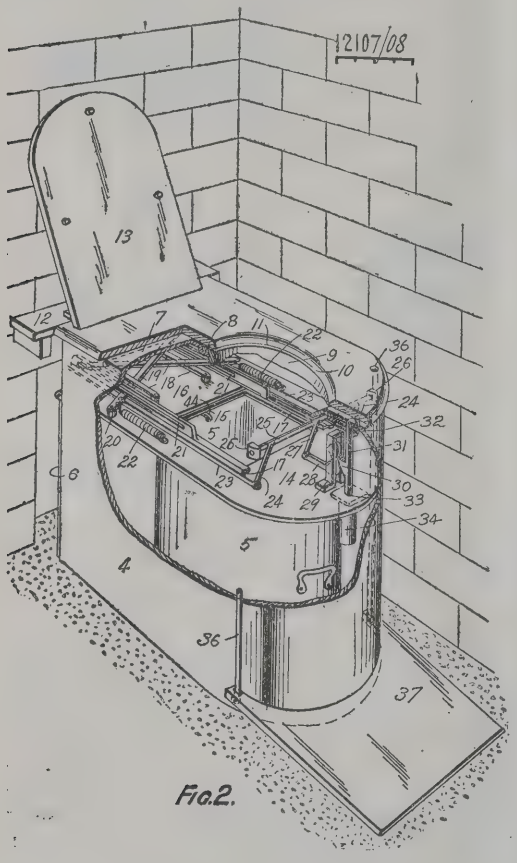


Complete Specifications Accepted—*continued.*

12,107. 30 July. J. SYVRET, N. S. Wales.

Class 86.3.

Earth closet: Sliding plate **16** closes aperture; the plate is operated by the tread **37**; the spring **22** brings the plate back to normal position. A reservoir for liquid disinfectant is arranged around the pan room.

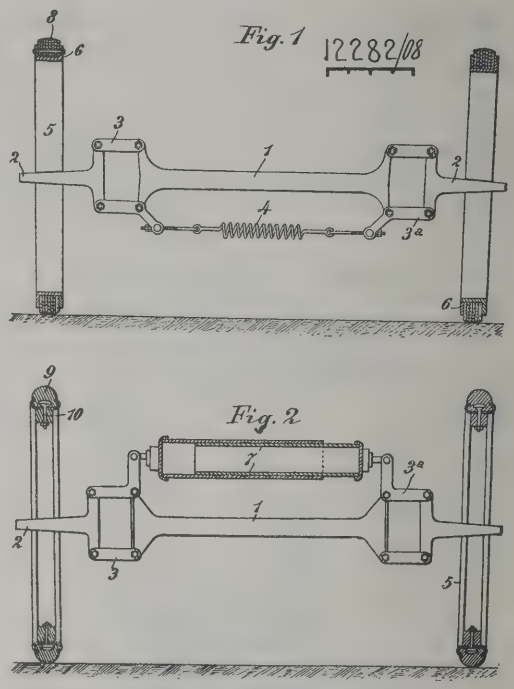


3 figures, 5 claims.

12,282. 19 Aug. A. G. E. S. SOCIETA I. A. S. P. L'E. DEI BREVETTI GRANIERI (L. GRANIERI, Italy).

Classes 93.3; 97.81.

Pivoted parallelograms **3** connected to axle journals with rigid annular extension and an air cushioning cylinder **7**, Fig. 2, or elastic connexion as **4**, Fig. 1.

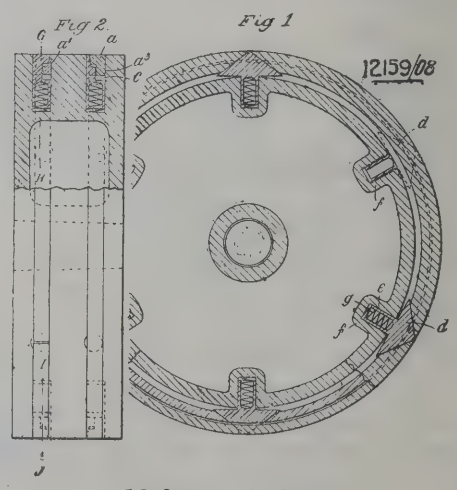


2 figures, 6 claims.

12,159. 5 Aug. R. ALLEN, England.

Class 60.7.

Spring wedge expanders for piston rings.



18 figures, 5 claims.

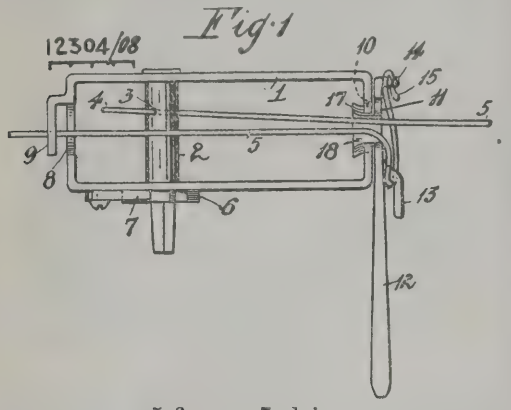
Complete Specifications Accepted—*continued.*

12,304. 22 Aug. J. H. Tink, Victoria.

"An improved device for joining the ends of wires and for straining same."

Class 58.3.

Wire strainer and jointer: Windlass and twister for "lineman's" joint.

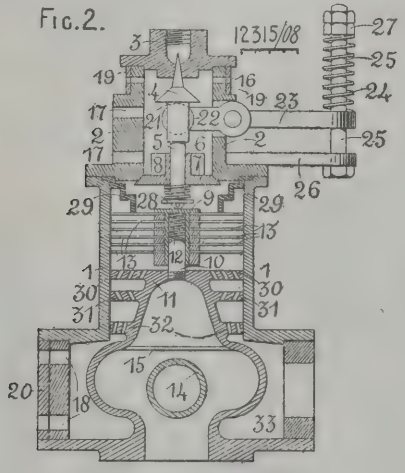


5 figures, 7 claims.

12,315. 24 Aug. A. Barker, England.

Class 66.5.

Vaporizing carburettor with atomizing screens vibrated by the action of suction and spring **24**.



2 figures, 8 claims.

12,479. 10 Sept. H. Lightband (M. Ruping, Germany).

Class 80.1.

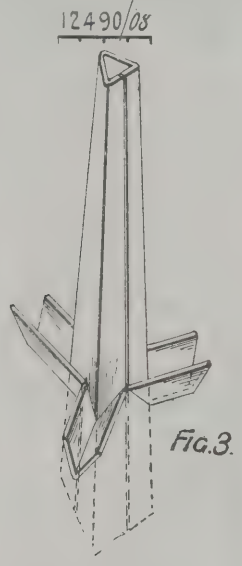
Preservation of wood, fabrics, &c., by subjecting the material to a strong fluid pressure filling the cells with compressed air, removing superfluous oil by vacuum, then breaking the vacuum and subjecting the material to a gas pressure higher than that of the atmospheric air, and then re-establishing the vacuum.

No drawing, 7 claims.

12,490. 12 Sept. P. Phipps, New South Wales.

Classes 03.1; 81.8.

Triangular folded sheet metal posts with tripod base in one piece.

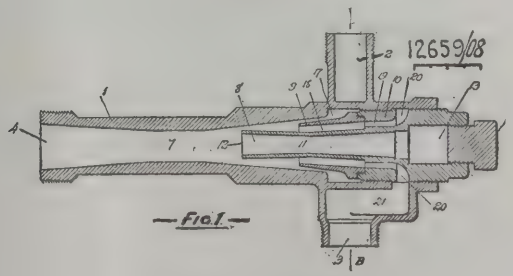


4 figures, 2 claims.

12,659. 2 Oct. E. J. Coughlan, Western Australia.

Class 69.1.

Ejector for removing foul gases, &c.



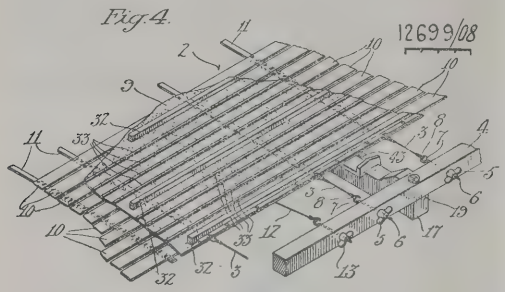
3 figures, 1 claim.

Complete Specifications Accepted—*continued.*

12,699. 6 Oct. C. W. ECCLESTON, Cal., United States of America.

Class 11.4.

Shaking table with flexible surface supported in frame by tension rods; portions of surface adjustable to different inclinations.

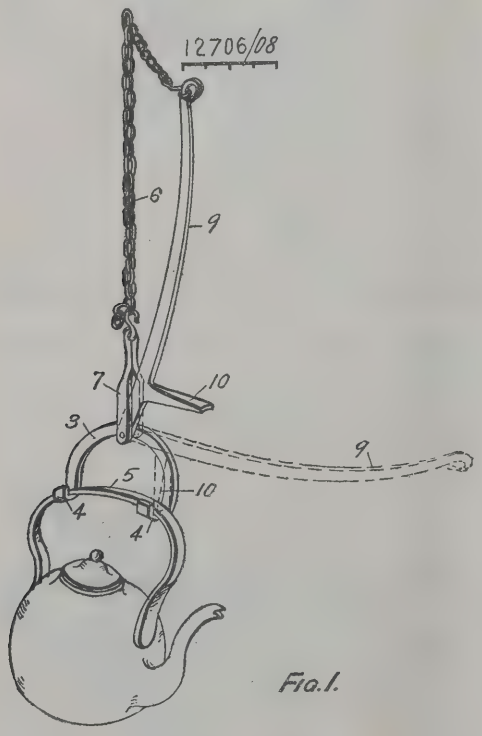


5 figures, 19 claims.

12,706. 7 Oct. F. F. ELPHICK (S. G. ELPHICK, New South Wales)

Class 24.5.

Kettle suspended from chain by a yoke; tipping lever normally hung up at the side of chain.

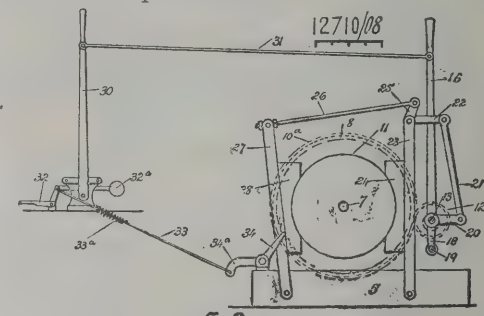


2 figures, 1 claim.

12,710. 8 Oct. J. G. THOMAS and J. LAMONT, Western Australia.

Class 59.1.

Winding plant starting lever **16** releases brakes, when friction pinion **12** is thrown into gear; lever **16** and pawl **34** may also be operated by a distant lever and pedal; modifications for duplex drums.



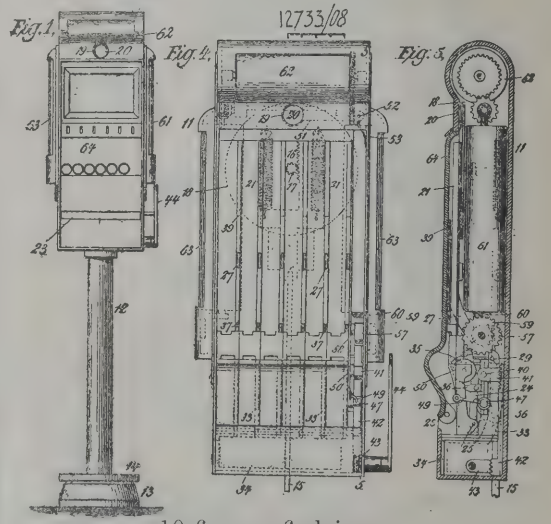
4 figures, 10 claims.

12,733. 10 Oct. A. HEIMAN and L. FLATOW, N.Y., United States of America.

Classes 54.1; 55.7; 56.8.

Coin-freed weighing, vending, and advertising machine has multiple shoots for articles which are ejected through outlet **23** when coin is dropped into selective slot in cover **64** and handle **44** moved, and if person is standing on extended scales platform **14** he will have his weight shown on dial in window **19**, while at the same time advertisements will be displayed on rollers **61**, **62**, **63**.

The advertisements may also be shown when no coin is used by operation of handle **44**.



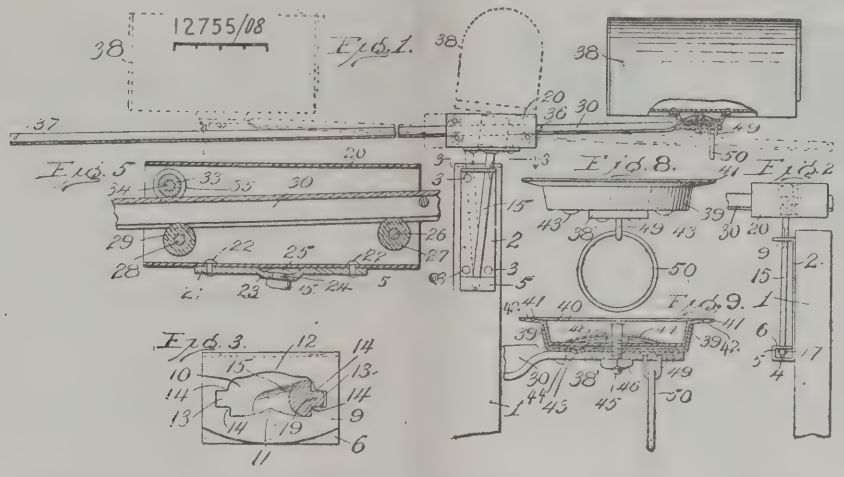
10 figures, 6 claims.

Complete Specifications Accepted—*continued.*

12,755. 12 Oct. Dr. J. A. Harriss (J. S. Lanier, Georgia, United States of America).

Class 54.3.

Mail receiving and delivering without mail-man dismounting from cart: Bracket and container **20** for street posts returned to normal out-of-way position by gravity shaft **15** rotating and working in slot **13**; rail **30** slides on rollers **29** in tube **20**.

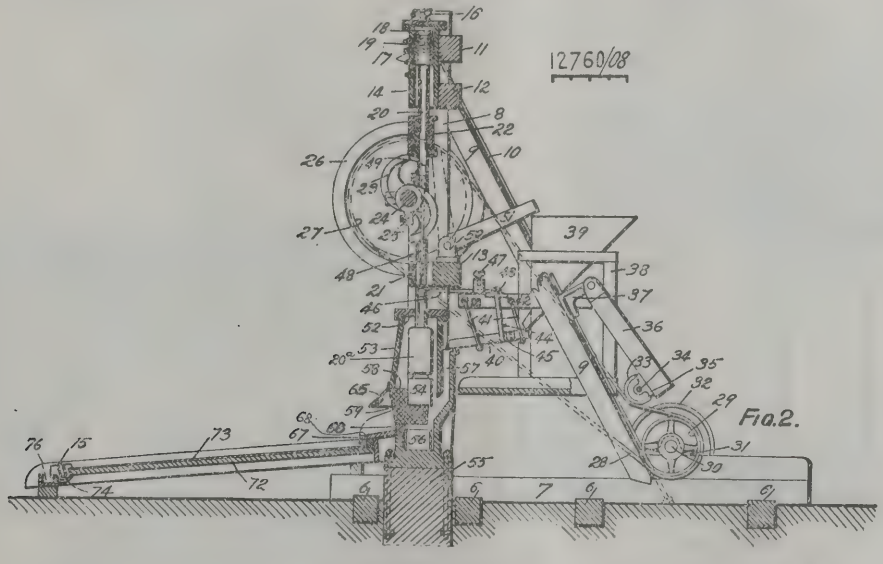


10 figures, 20 claims.

12,760. 13 Oct. J. G. Thomas and J. Lamont, Western Australia.

Classes 10.1; 10.2; 13.2.

Stamp battery with pneumatic cushioning and accelerating cylinder **14**; ore feeder **40** operated by tappet **22** through rod; semi-circular screen **59**; belt tightener **35**.



5 figures, 7 claims.

Complete Specifications Accepted—*continued.*

12,762. 13 Oct. C. B. SMITH, N.Z.

Classes 48.7 ; 48.8.

Flexible binders for books : Rubber bands reinforced by chain or cord. Several designs.

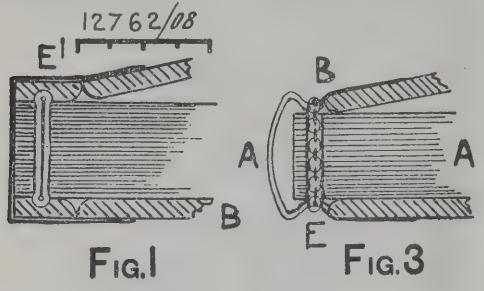


FIG. 1 FIG. 3

14 figures, 12 claims.

12,774. 14 Oct. HENRY SIMON LTD. (L. M. THOMAS, Germany).

Class 34.3.

Moistening flour by agitation in nearly saturated damp air.

No drawing, 4 claims.

12,786. 15 Oct. CRIPPEN PLAYER COMPANY (W. R. CRIPPEN, U.S. America).

Class 01.6.

Pneumatic player : Action clamped on top of keyboard, bellows in seat cabinet.

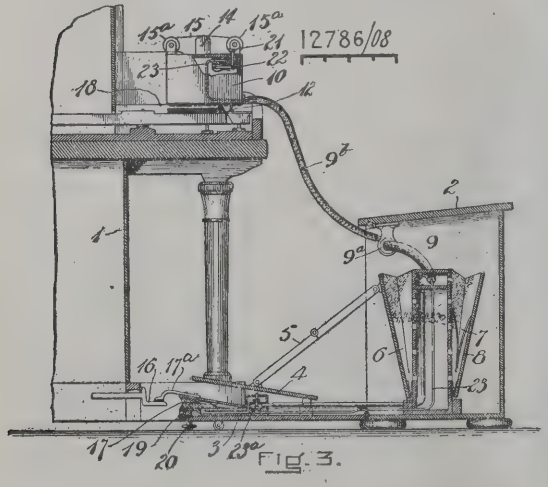


FIG. 3.

4 figures, 23 claims.

12,828. 20 Oct. J. F. STEPHENSON, Vict.

Class 46.1.

Tensioning spring mattresses by compression springs **g** on rods **e** and bearing on sliding cross-piece **c**.

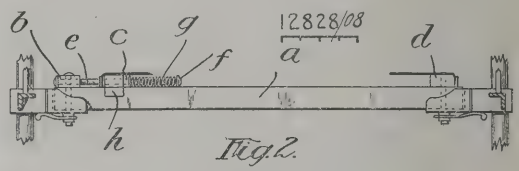


FIG. 2.

2 figures, 2 claims.

12,869. 27 Oct. G. E. FORTESCUE, N.S.W

Class 93.4.

Metal tyre ends-closure : Scarf with filling piece **18** has studs **21**, **22** entering slots in tyre, the whole being held rigidly to felloe by cotter-headed bolts **25**, **26**. Modifications.

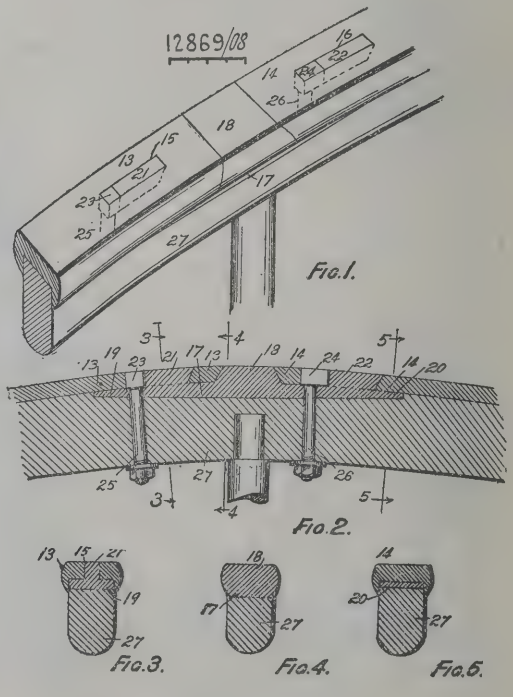


FIG. 1.

FIG. 2.

FIG. 3. FIG. 4. FIG. 5.

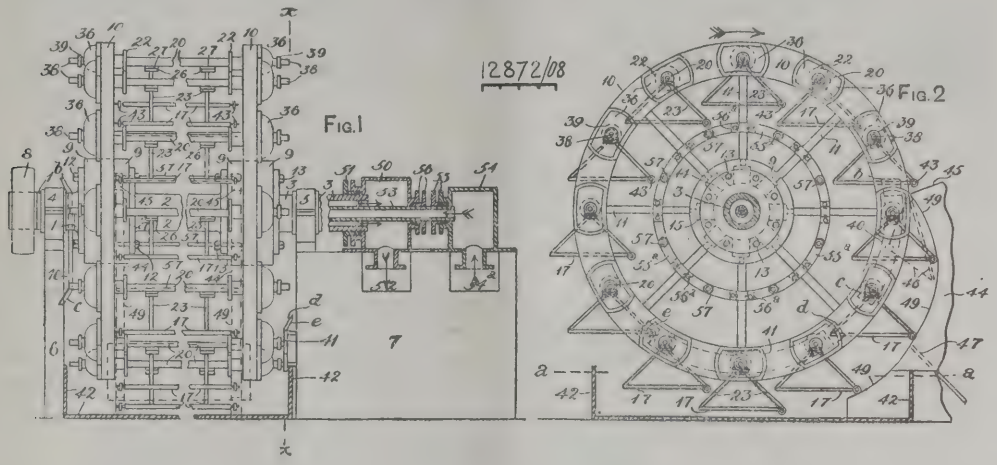
12 figures, 6 claims.

Complete Specifications Accepted—*continued.*

12,872. 27 Oct. A. J. Arbuckle and A. Osborne, Transvaal, South Africa.

Class 28.2.

Rotary suction filter: Filter frames **17** swing between wheel frames **10**, revolving in slime trough **42**; suction applied to filter frames as they pass through slime trough, and back pressure applied subsequently to discharge residue.

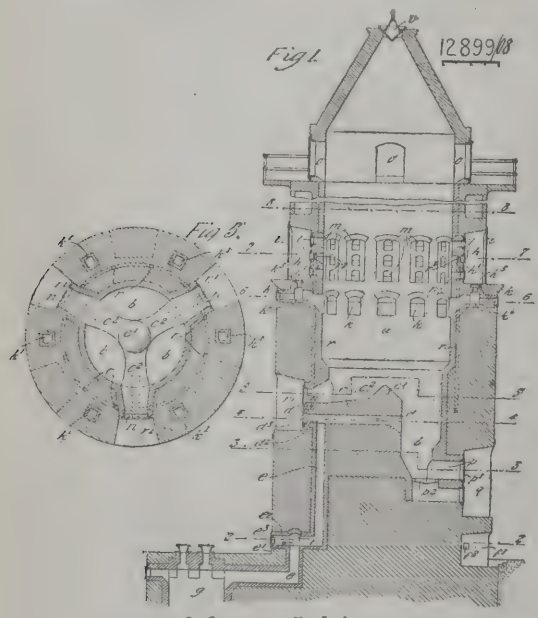


7 figures, 10 claims.

12,899. 29 Oct. F. Oakden (E. Schmatolla, England).

Classes 16.3; 18.3.

Lime kiln: Vertical gas fired kiln having a central shaft provided with three separate arc-shaped chambers at the bottom formed by three separate curved bridges.

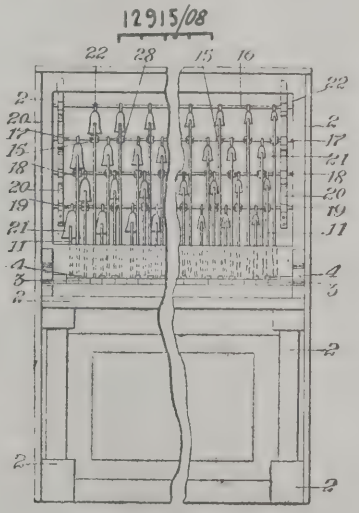


8 figures, 5 claims.

12,915. 30 Oct. G. E. Dodd, Victoria.

Class 01.2.

Suspended bells or tubes with keyboard operated hammers.



6 figures, 5 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

13,779. SIEMENS BROTHERS & CO. LIMITED, 12 Queen Anne's Gate, Westminster, S.W., London, Eng., and Luiz de Moraes Gomes FERREIRA, 102 Elmbourne-road, Upper Tooting, Surrey, Eng., electrical engineers,

Application under Sec. 121.

[Date applied for 4th Mar., 1908, being date of application in Great Britain, No. 4964/*08*.]

"Improvements relating to electrically controlled railway points and signals."

13,815. William AITKEN, of British Insulated and Helsby Cables Limited, Milton-road, Edge-lane, Liverpool, Lancashire, Eng., electrical engineer,

Application under Sec. 121.

[Date applied for 6th Mar., 1908, being date of application in Great Britain, No. 5080/*08*.]

"Improvements in telephone instruments."

13,912. Ettore BELLINI and Alessandro TOSI, both of 4 rue du 29 Juillet, Paris, France, civil engineers,

Application under Sec. 121.

[Date applied for 7th Mar., 1908, being date of application in France, No. 387,933/*08*.]

"System of directed wireless telegraphy."

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 42, comprising Applications numbered from 5000 to 8399, are now complete with title pages, &c.

Vols. 43 to 45 comprise Applications from 8400 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4686. A. R. Angus. *Brake gear.* Classes 96.6; 98.6.

4687. A. R. Angus. *Brake gear.* Classes 96.6; 98.6.

4688. T. Duff. *Attaching brackets.* Class 78.9.

4691. W. Kemp. *Blast furnaces.* Classes 15.4; 16.7; 16.8; 16.33.

4692. J. B. Marshall. *Rock drill.* Classes 60.7; 85.4.

4693. J. C. Cole. *Tyre fastener.* Class 97.83.

4695. E. Phillips (Nissen). *Stamp-mill mortars.* Classes 10.2; 13.3.

4697. Universal Automatic Heat Regulating & Ventilating Co. (Chadborn). *Heat controlling and ventilating.* Classes 81.6; 96.8.

4699. D. C. Smith. *Electric cooking stove.* Classes 06.7; 24.2.

1907.

9212. Forward and Bird. *Teaching use of rifle.* Class 89.5.

9313. P. R. Hughes. *Hoisting bales.* Class 59.1.

9331. M. O'Toole. *Combined tool.* Classes 58.3; 76.3; 80.3.

9386. Fahey and Swinkels. *Writing desk.* Classes 45.3; 54.1.

9417. W. Murley. *Amalgamator.* Class 13.5.

9431. Manufacturers Machine Co. (Hooper). *Assembling shoe uppers, &c.* Classes 44.1; 44.3; 44.5.

9525. United Shoe Machinery Co. (Eppler). *Preparing welts.* Class 44.5.

9606. Phillipps and Lucas. *Vehicle brake.* Class 93.3.

9645. F. A. Davidson. *Chaff baggers.* Class 57.4.

9646. W. G. Barger. *Disc plough.* Class 30.7.

9718. A. Ross. *Agricultural rollers.* Class 31.2.

9742. United States Automatic Box Machinery Co. (Baxter). *Paper boxes.* Class 48.5.

9811. J. T. Pettett. *Rabbit poison trough.* Class 38.9.

9964. Manufacturers Machine Co. (Plant). *Welt sewing machines.* Classes 42.7; 44.5.

10,162. Toledo Computing Scale Co. (De Vilbiss and Others). *Weighing scales.* Classes 56.2; 56.8.

10,176. E. J. Gee. *Sun blinds.* Classes 45.7; 46.6.

10,214. A. H. and A. J. McGlashan. *Ballast spreader.* Classes 84.3; 96.1; 98.4.

Printed Specifications Published—*continued.*

1907.

10,374. MANUFACTURERS MACHINE CO. (ENGLISH). *Boot sole trimming.* Class 44.5.
10,562. R. G. CRICHTON. *Scaffold supports.* Class 81.3.

1908.

10,619. R. F. CAREY. *Operating doors.* Classes 78.8; 81.5.
10,701. A. W. TORKINGTON. *Rubber tyres.* Class 97.81.
11,075. J. M. and E. E. TRUSCOTT. *Explosive engines.* Classes 66.5; 92.2.
11,090. BRITISH CEROFIRM CO. LTD. (BOHM). *Incandescent mantles.* Class 23.5.
11,188. JONES and POGSON. *Firebrick.* Class 19.2.
11,219. E. N. WATERS (BECHMAN). *Web printing machines.* Classes 48.3; 50.8.
11,228. TIERNEY and BRACKENBURY. *Pneumatic hand hammers.* Classes 65.3; 65.9; 72.1; 85.4.
11,297. DE DION BOUTON (1907) LIMITED (DE DION and BOUTON). *Vehicle chassis.* Class 95.7.
11,299. D. E. BIGELOW. *Grinding pans.* Class 10.5.
11,300. D. E. BIGELOW. *Revolving screens.* Class 11.3.
11,305. H. HODKIN. *Ventilator cowl.* Classes 17.1; 90.9.
11,317. E. PHILLIPS (AMET). *Producing gas.* Classes 16.8; 21.3.
11,322. W. C. STEPHENS. *Rock drill bits.* Class 85.8.
11,338. MANUFACTURERS MACHINE CO. (STEWART). *Welt marking machine.* Class 44.5.
11,354. E. DOWIE. *Wool combers' effluents.* Classes 09.2; 25.2; 86.5; 86.7.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*25th February, 1909.*			
8693	13 May	R. E. Dick	Vic.	Pickling wheat, &c. ...	21
10,088	25 Oct.	W. Tyree	N.S.W.	Destroying pests ...	510
	1908.				
11,542	21 May	E. E. King	Vic.	Boot and shoe uppers ...	544
11,754	18 June	T. Yabsley (Russell) ...	N.S.W.	Stock and farm gates ...	422
11,856	29 June	H. A. Dawson ...	N.S.W.	Mixers	440
11,926	8 July	W. Turnbull	N.Z.	Water closet flusher ...	456
12,022	21 July	R. H. Richards ...	U.S.A.	Classifying minerals ...	492
	1907.	*26th February, 1909.*			
10,475	14 Dec.	D. J. McIntosh ...	Vic.	Water, &c., sprinklers ...	614
	1908.				
11,532	*23 May	Muriel M. S. Binney ...	N.S.W.	Folding bassinet ...	341
11,739	16 June	W. Herbst	Germany	Concrete floors, &c. ...	409
11,829	25 June	H. V. Hampton ...	Vic.	Flushing cisterns ...	438
11,917	8 July	P. Mortimer	Eng.	Racing hurdles	456
11,921	8 July	E. E. Wigzell	Eng.	Delivering postage stamps...	456
12,263	18 Aug.	J. Dyson	Vic.	Drying, &c., wool, &c. ...	559
		27th February, 1909.			
11,556	22 May	C. W. Nance	N.S.W.	Tanning, &c., hides ...	355
11,661	4 June	Charlotte Easson ...	Vic.	Tables	390
11,929	8 July	J. M. Stewart	N.Z.	Cash book	456
11,988	16 July	A. H. Rogers	N.Z.	Cooling beer on tap ...	490
12,010	20 July	O. H. Wade	U.S.A.	Concentrators	491
12,035	22 July	M. Yarrow	Eng.	Earthenware pipes ...	492
12,135	4 Aug.	W. H. Blackham ...	Vic.	Cow milking	523
12,164	6 Aug.	J. A. Lindsay... ...	Scot.	Buffer cylinders	538
	1907.	*1st March, 1909.*			
10,092	28 Oct.	C. Neumann	U.S.A.	Air compressors	685
10,093	28 Oct.	S. J. Phillips	S.A.	Cauterizing device ...	358
10,111	30 Oct.	Rose and S. Basch ...	Eng.	Vehicle wheel tyres ...	686
10,115	30 Oct.	Eufon Co. Ltd. (Preszter)	Hungary	Gramophones, &c. ...	686
10,126	31 Oct.	L. Dunne	N.Z.	Hay stack covers ...	704
10,129	31 Oct.	O. Coates	N.Z.	Shifting tram points ...	704
10,130	1 Nov.	T. & J. Watson ...	Vic.	Twitch clamp	525

* Date granted under Sec. 85.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*2nd March, 1909.*			
10,330	29 Nov.	H. Campbell	Vic.	Extension ladder ...	74
10,430	10 Dec.	E. J. Fryer	W.A.	Positive water meter ...	600
	1908.				
10,833	13 Feb.	C. W. Nance	N.S.W.	Extraction of air, &c. ...	110
11,723	15 June	W. G. Williams ...	S.Af.	Metal extraction	698
11,803	23 June	C. G. C. Whyte & A. Rau	N.S.W.	Manifold copying books ...	425
11,825	25 June	O. Jones	N.S.W.	Beam scales	438
12,115	31 July	T. Pearce	Vic.	Excavating scoops ...	522
12,534	17 Sept.	H. P. Frost	W.A.	Spectacle frames ...	626

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
18,965 ...	American Mach. Tel. Co. Ltd.	12th Feb., 1916
19,027 ...	Ashby, F. L. W. ...	6th Mar, 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fee Paid.

Corrigendum.—In No. 4, Vol. 8, p. 67, *for* "7046. Skinner" *read* "7646. Skinner."

1901.

No.	Name.	Paid up to—
5933 ...	Natural Food Co. ...	19th Mar., 1915

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/546. *When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus*—3787/*N.R.*; *or as the case may be.*

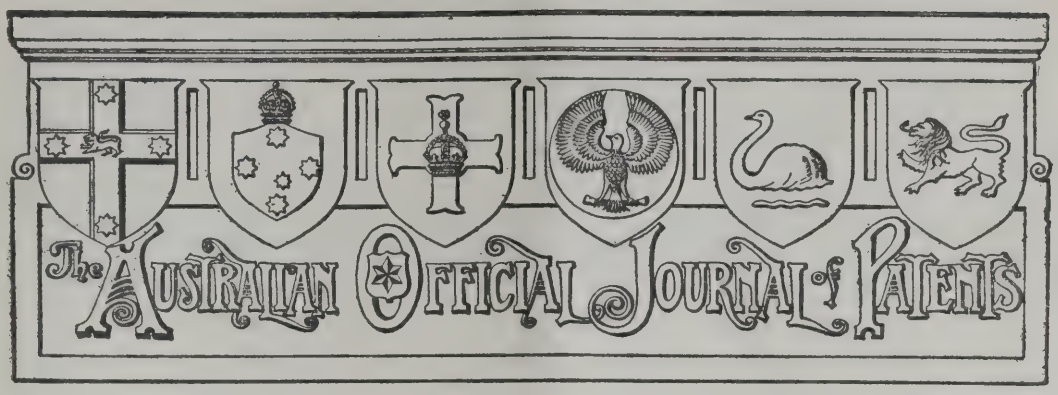
Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
7583/5619 ...	McComas, R. B. ...	14th Mar., 1916

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MONTHLY INDEXES.

FEBRUARY, 1909.

INDEX TO NAMES OF PERSONS
IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER
IN SPECIFICATIONS LODGED.

DESCRIPTIVE SUBJECT INDEX
TO SPECIFICATIONS OPENED TO INSPECTION.

APPLICATIONS FOR 1908 COMMENCE WITH 10,581.
APPLICATIONS FOR FEBRUARY, 1909, Nos. 13,654 TO 13,881.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS

FEBRUARY, 1909.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee, opponent, licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification ; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Acme Bottle Mfg. Co. Ld. (Rohrbach) ...	Glass blowing machines ...	13,778
Aitken, W.	Telephones	13,815
Alexander, L. A.	Sewing machine motors ...	13,806
Allen, R. W.	Bush-fire beater	P. 13,760
Ambrose, T.	Cider, &c., press	P. 13,830
,, T.	Cutting apples, &c.	P. 13,831
Anderson, J. McI.	Nozzle for sprinklers ...	P. 13,696
Andreae, Emmeline	Suspending curtains, &c. ...	13,776
Angus, A. R.	Minimizing railway derailments	P. 13,770
Arbuckle, A. J.	Ore separation	13,754
Aust. Ore. Concen. Syd. Ld. (*licensee*) ...	Ore separation	1935
,, ,, ,, ,, (*licensee*) ...	Ore separation	3763
Bahan, A.	Tent construction	13,791
Ball, W.	Hypodermic syringe	11,647
Bancroft, J. S.	Composing machine justifying	13,692
Barlow, H. R.	Strap handles	P. 13,877
Barr, A. D.	Ferments	13,680
Bassett, Mary P. & E. P.	Furniture roller	11,561
Bates, A.	Boots and shoes	11,334
,, J.	Hot water cistern	13,857
Bathgate, R.	Station, &c., indicator ...	P. 13,785
Beattie, C. M.	Telephone apparatus	13,697
Benedict, C. H.	Treating ores	13,805
Benjamin, A. L.	Tobacco cartridges	13,817
Bennet, R.	Fishing line reels	P. 13,829
Bennett, H.	Tea cosy	P. 13,835

Name.	Subject.	Number.
Berry, G. W.	Closets	12,128
Beswicke, H. A.	Fire extinguishers	P. 13,736
Billiards Ltd. (*assignee*)	Advertising	8999
Bissell Co., F. (Haudenschild & Alexander)...	Sewing machine motors ...	13,806
Black Sand & Gold &c. Co. (Lovett) ...	Pipe dredges	13,813
Blackwell, H. Le T.	Body belts	P. 13,809
Blair, C. J.	Softening water	13,679
Bleeck, W. A. F.	Primary batteries	P. 13,790
Bloomer, M.	Monorail railway	13,682
Blumfield, W. A. E.	Pipe tongs	P. 13,844
Bodycomb, A.	Gold, &c., recovery	13,663
Bohr, H. C.	Lifting stamps	P. 13,804
Boultbee, J. W.	Talking machines	13,182
Bradley, J. R.	Gathering, &c., lake salt ...	P. 13,816
Bristol, C. F. L.	Race-starting machine ...	P. 13,654
Broad, A. S.	Explosion motors	P. 13,836
Bronner, A. F.	Delivering, &c., liquids ...	11,283
Brown, W.	Tea cosy	P. 13,835
Bruce, W. McA. (*Dr.*)	Softening water	13,679
Buskminster, I. C.	Sole rounding	P. 13,818
Burnett, F. T.	Water pipe	11,396
Burns, J.	Fixing cords to picture frames ...	P. 13,673
Burrows, S.	String, &c., receptacle ...	P. 13,800
Callinan, A. J. (Clark, Cochrane, Heinecke, & Pask)	Pneumatic tyres	P. 13,848
Cameron, T. C.	Anti-fraud bottles	11,629
Campbell, H.	Spinning top	13,170
,, H.	Washing machine	P. 13,753
Carlisle, W.	Vehicle wheel-lock	13,131
Carson, A.	Maxim gun	P. 13,726
Cavanagh, J.	Insoles	11,330
Chipman Ltd. (Ward)	Lock nut	P. 13,881
Clancy, J. C.	Ore treatment	13,858
Clark, E.	Pneumatic tyres	P. 13,848
Clemesha, W.	Advertising	P. 13,702
Cliff, F. E.	Feeding chaff-cutters	11,356
Cochrane, J. A.	Pneumatic tyres	P. 13,848
Coleman, G.	Bread, &c., knife	P. 13,837
,, G.	Cork puller	P. 13,838
,, G.	Hat pins	P. 13,839
Colyer, M.	Talking machines	13,182
Cooper, A. J. & L. J. (*licensees*)... ...	Power gear	6875
,, H. C.	Wrest pin	P. 13,678
Corney, E.	Three-way cock	P. 13,751
Côte, C.	Explosion motors	13,715
Cotton, R. B.	Acetylene generators	P. 13,718
Coutts, J.	Cable connector	P. 13,675
Cowell, A.	Droppers, &c.	13,763
Credgington, H.	Boot paste pad	P. 13,750
Creed, Agnes	Garbage, &c., receptacles ...	P. 13,781
Cromwell, C.	Roller dies	P. 13,743
Curley, T. F.	Releasing animals from vehicles	P. 13,761
Cuthbert, J.	Washing, &c., glasses, &c. ...	P. 13,747

Name.	Subject.	Number
Danks & Son Pty. Ltd., J.	Injector for killing root pests ...	13,672
Dannhardt, F. H.	Portable closets, &c.	P. 13,662
Dargie, C.	Railway door catch, &c. ...	P. 13,773
Davies, A. H.	Cable connector	P. 13,675
Dawson, B. F. H.	Acetylene gas	11,198
Denham, F. C.	Motor cycle frames	11,402
Dorneth, J.	Setting matrices, &c.	13,706
Douglas, A.	Shirt, &c.	13,053
Du Homme de Sainte Croix, X.C.A. ...	Safety device for lifts ...	13,821
Duncan, Agnes C.	Cooking utensil	11,486
Dunn, Ella	Heat concentrator for stoves ...	P. 13,668
Easdown, R. H.	Mail bag, &c., clasp ...	P. 13,792
East, R. C.	Attaching disks to cultivators ...	P. 13,746
Eclipse Printing Co. Ltd. (Neave)	Counter sales book	P. 13,660
,, ,, ,, ,, (Neave)	Counter sales book	P. 13,661
Edwards, M. F.	Rabbit exterminator	P. 13,733
,, M. F.	Knot maker, &c.	P. 13,734
,, M. F.	Gas generator, &c.	P. 13,878
,, M. F.	Chair stay	P. 13,879
,, M. F.	Spray pump	P. 13,880
,, T.	Treating auriferous matter ...	13,719
Ekins, A. L. G.	Variable speed gear	P. 13,693
Elliott, J. A.	Spring for coulters, &c. ...	11,480
,, O. B.	Game for billiard tables ...	13,655
Enright, J. G.	Wire mattress	P.13,802
Falkiner, R. S. (*assignee*)	Sheep shearing machines ...	9412
,, R. S. (*assignee*)	Sheep shearing machines ...	10,647
Faust, R.	Interlocking brick	P. 13,695
F. Bissell Co. (Haudenschild & Alexander) ...	Sewing machine motors ...	13,806
Fenton, H.	Cushion heels	P. 13,767
Ferreira, L. de M. G.	Controlling railway points, &c.	13,779
Fessenden, R. A.	Transmission of energy ...	13,703
Finlay, J. K.	Three-way cock	P. 13,751
Fiske, A. J.	Fastening for cattle, &c., rugs	P. 13,869
Fortescue, A. J.	Destroying cactaceous growths ...	P. 13,669
,, A. J.	Securing metal tyres	P. 13,867
Fraser, J. H.	Seed coverer	P. 13,873
Frazer, A.	Leveller for drills	P. 13,756
Frohn, E. H.	Wire mattress	P. 13,802
Fry, R. J.	Horse-shoe clips	13,860
Fulham, C. H.	Flushing cisterns	P. 13,845
Fulton, D.	Bark stripping	P. 13,795
Gammeter, H. C.	Paper feeding devices ...	13,825
Gandil, E. V.	Milking-machines	13,823
Gans, R. (*Dr.*)	Gold extraction	13,665
Gargett, P. J.	Cleaning ships without docking	11,494
Geake, W. H. G.	Adjusting shirt sleeves ...	P. 13,740
Germein, S. G.	Draught gear	P. 13,658
Goddu, G.	Inserting fasteners	11,335

Name.	Subject.	Number.
Gordon, H. C.	Boots	P. 13,748
,, H. C.	Shoes	P. 13,749
,, N. R.	Flying machines	P. 13,720
Grace, T.	Ship's, &c., furniture frame ...	P. 13,705
Graham, C. McL.	Electric insulator	11,711
Gray, R.	Billiard, &c., cushion ...	11,593
,, R.	Washing machine	P. 13,745
Greeves, E. G. (*assignee*)	Extracting gold	11,197
Grip Nut Co. (Ward)	Lock nut	P. 13,881
Guthridge, C. F.	Spring seats	13,295
Haines Thermo-Dynamic Motor Co. (Haines)	Thermo-dynamic motors ...	13,827
Hamilton, G. C.	Window cleaning appliances ...	P. 13,810
Hansen, T. H.	Spring seats	13,295
Hardwick, W.	Saddles	P. 13,871
Harrip, R.	Laying poison	P. 13,674
Hartnett, W. P.	Milking machines	13,711
Haselwood, F. H. V.	Post holes	11,170
Haudenschild, H.	Sewing machine motors ...	13,806
Haugh, H.	Filter presses	P. 13,786
Heinecke, V. J.	Pneumatic tyres	P. 13,848
Higgins, M.	Detecting escape of air in brakes	11,595
Higson, H. & H. T.	Milk bucket	11,229
Holdsworth, J. A.	Monorail railway	13,682
Holmes, R. P.	Filter press	11,468
Holt, B.	Traction engine	13,854
Hooker, L. E.	Metallic tubes	13,812
Hooper, Mary A.	Controlling mine cages ...	13,774
Horne, L.	Wire mattresses	P. 13,801
Houlden, R.	Motor-vehicle wheels ...	P. 13,714
Howcroft, W. J.	Blast furnaces	13,664
Hughes, J.	Spark arrester	P. 13,721
,, P. R.	Metallic bale fastener ...	P. 13,866
,, W. M.	Air gas	12,967
,, W. M.	Carburettors	12,968
Hume, A. G.	Tag labels	13,859
Hutton, C.	Garden sprinkler	P. 13,849
Imbert Process Co.	Treating zinc ores	13,707
Indahl, M. C.	Composing machine justifying	13,692
Internat. Multigraph Co. (Pejeau & Gammeter)	Paper feeding devices ...	13,825
Internat. Typewriter Co. (Nickerson) ...	Typewriters	13,657
Jackson, J. D.	Preventing shocks in water pipes	P. 13,798
James, A.	Automatic filters	P. 13,820
J. Danks & Son Ptv. Ltd. ...	Injector for killing root pests ...	13,672
J. D. Riedel Akt. (Gans) ...	Gold extraction	13,665
Jelbart, G. E.	Bicycle spring fork	P. 13,793
Jerram, A. E.	Shoe machinery feeding ...	P. 13,856
Johnson, E. M.	Ferments	13,680
,, R. F. & T. (*assignees*)	Cement, &c., blocks	7914

Name.	Subject.	Number.
Kell, R. E.	Platen printing machines ...	P. 13,694
Kenney, H.	Advertising kiosk	P. 13,699
Kenny, T. J. W.	Horse droppings receiver ...	P. 13,732
Kiely, G. P.	Ferments	13,680
King, R.	Stock-trough, &c., ballcock ...	P. 13,852
Kinnear, G. E.	Timber pipe	11,460
Kinnell, G. A.	Overshoes for horses, &c. ...	13,863
Konomax Rock Drill S. Ltd. (Mauss) ...	Valveless engines	P. 13,713
Lainson, W.	Tea cosy	P. 13,835
Lane, T.	Ventilator closet	P. 13,870
Larson, N. A.	Elastic wheels	P. 13,656
Lassen, O. R.	Tank for rain water	13,688
Law, P. T.	Electric insulator	11,711
Lawrence, S. J.	Tyre puncture detector ...	P. 13,842
Lehmann, H.	Typewriting machines ...	13,704
Lemmon, R.	Filter press	11,468
Leslie, W.	Reaper, &c., attachment ...	P. 13,828
Letchford, P. T.	Skewer extractor	P. 13,727
Linotype & Mach. Ltd. (*assignee*)	Linotype machines	9214
,, ,, ,, ,, (*assignee*)	Printing music	9215
,, ,, ,, ,, (*assignee*)	Linotype wipers	9216
,, ,, ,, ,, (*assignee*)	Linotype moulds, &c. ...	9217
,, ,, ,, ,, (*assignee*)	Matrices, &c.	9219
,, ,, ,, ,, (*assignee*)	Linotype machines	9220
,, ,, ,, ,, (*assignee*)	Linotype machines	9221
,, ,, ,, ,, (*assignee*)	Linotype machines	9222
,, ,, ,, ,, (*assignee*)	Linotype machines	9223
,, ,, ,, ,, (*assignee*)	Justifying tabular matter ...	10,811
,, ,, ,, ,, (*assignee*)	Typographical composing, &c. ...	10,812
Lockwood, A. A.	Ore treatment	13,666
,, A. A.	Ore treatment	13,667
Loke, J. J.	Tiles, slabs, &c.	13,843
Lord, A. F.	Splicing ear for electric conductors	P. 13,741
,, A. F.	Insulator for electric tramways ...	P. 13,742
Lovett, T. J.	Pipe dredges	13,813
Lumsden, T. P.	Duplicate auger	P. 13,670
Macdonald, A.	Telegraphic transmitter ...	11,389
McDonald, H. E.	Projectiles	P. 13,712
,, R.	Candlesticks, &c.	P. 13,724
McDonough, T.	Bedsteads	P. 13,739
,, T.	Wire mattresses	P. 13,757
McFeely, R. F.	Boots and shoes	11,331
,, R. F.	Boots and shoes	11,332
McGinness, M.	Rabbit exterminator	P. 13,733
,, M.	Knot maker, &c.	P. 13,734
,, M.	Gas generator	P. 13,878
,, M.	Chair stay	P. 13,879
,, M.	Spray pump	P. 13,880
McKay, H. V.	Leveller for drills	P. 13,756
Madeley, O. T.	Fish hook	P. 13,728
,, O. T.	Mail bag, &c., fastener ...	P. 13,780

Name.	Subject.	Number
Malcolm, L. F.	Bath heater	P. 13,865
Mander, A.	Boots and shoes	P. 13,797
Manderson, H.	Slide valve	P. 13,864
Manley, R. E.	Tag labels	13,859
Mauss, W.	Valveless engines	P. 13,713
Mayo, B. F.	Sole rounding	P. 13,818
Mazzolini, G.	Closing doors, &c.	13,822
Meek, R. McK.	Game for billiard tables	13,655
Menesdorfer, A.	Leather substitute	P. 13,875
Millar, J. A.	Rowlock	11,387
Mitchell, D. W.	Draughtsmen's desks, &c.	P. 13,709
,, W. T.	Plough attachment	P. 13,782
Monotype Mach. (Col. Pat.) Synd. Ltd. (Bancroft & Indahl)	Composing machine justifying mechanism	13,692
Monteith, R.	Lavatory basin	12,654
Morris, F. J.	Aerating, &c., liquids	P. 13,730
,, T. R.	Railway door catch, &c.	P. 13,773
Mounsey, W. J.	Spark arrester	P. 13,721
Murphy, T. J.	Electricity rectifiers	13,874
Neave, N. J.	Check book	P. 13,660
,, N. J.	Check book	P. 13,661
Nesbitt, Eda	Belt, &c., spring	P. 13,685
Nickerson, C. S.	Typewriters	13,657
Olney, G.	Garden spray	P. 13,840
Orenshaw, C.	Stump extractors	P. 13,737
Osborne, A.	Ore separation	13,754
Ostberg, J.	Rubber soles to boots	P. 13,690
,, J.	Handles for culinary utensils	P. 13,701
Papprill, R. S.	Rope transmission, &c.	13,698
Parker, A.	Tag labels	13,859
Pask, H.	Pneumatic tyres	P. 13,848
Payne, A. J. F.	Pneumatic tyre	P. 13,772
Pearce, S. W.	Preventing ships colliding	P. 13,744
Pedlar, G. H.	Metallic culvert	13,851
Pejeau, A. D.	Paper feeding devices	13,825
Pemberton, P.	Knife cleaner	P. 13,683
Perkins Sintering Co. (*assignees*)	Smelting furnace	5452
,, ,, ,, (*assignees*)	Desulphurization, &c.	5453
Petrie, G.	Liquid strainer	11,497
Phillips, E. (Plant)	Bobbin winding mechanism	13,868
,, J.	Droppers, &c.	13,763
,, T.	Vehicle wheel-lock	13,131
Pickering, J. H.	Differential eccentric	P. 13,656
Pike, W. H. (Gardiner)	Bevelled game ball	13,771
Pitner, Marion W.	Vapour-burning lamps	13,808
Plant, T. G.	Bobbin winding mechanism	13,868
Plucknett, S. G.	Rabbit, &c., destruction	13,752
Plummer, W. L.	Neck band for shirts	P. 13,729

Name.	Subject.	Number.
Pomeroy, J.	Smoke arrester	P. 13,700
,, J.	Starting gates for races ...	P. 13,725
Pond, M.	Clothing clip	P. 13,824
Ponten, A.	Fluid cushioned bearings ...	13,855
Potter's Sulph. Ore. T. Ltd. (Saddler) ...	Ore separation	13,846
Pottinger, F. L. E.	Oscillating pump	P. 13,735
Price, R. J.	Fire extinguishers	P. 13,736
Priest, S.	Cleaning, &c., seed., &c. ...	11,451
,, S.	Feeding animals	11,530
Pullen, G. E.	Washing, &c., machines ...	13,799
Purser, R.	Gates	P. 13,794
Quick, A. A.	Delivery of liquids	11,283
Quirk, A. J.	Tins for volatile ingredients ...	P. 13,775
Ransome Inter. Conduit Co. (Ransome) ...	Concrete work	13,681
Reed, R. S.	Harvesters	11,355
Reilly, J. C.	Writing tablets	P. 13,764
,, J. G.	Mail bag, &c., label	P. 13,710
Reymond, H.	Springs for coulters, &c. ...	11,480
Reynaud, G.	Utilizing Xanthorrhoea ...	13,676
,, G.	Treating barks of plants ...	13,677
Richards, P. B.	Leveller for drills	P. 13,756
Richardson, E.	Destroying rabbits	P. 13,832
Riedel Akt., J. D. (Gans)	Gold extraction	13,665
Rigg, A. H.	Draughtsmen's desks, &c. ...	P. 13,709
Robinson, G. E.	Acetylene generator	P. 13,769
,, S.	Packing pistons	P. 13,811
Rohm, O. (*Dr.*)	Preparing hides	13,777
Rohrbach, A.	Glass blowing machines ...	13,778
Rolfe, H. C. L'O.	Illuminating and heating ...	P. 13,841
Ross, H.	Bag-lifter	P. 13,784
Routley, J. & M.	Tag labels	13,859
Row, E. A.	Strap handles	P. 13,877
Ruddick, J. M.	Typewriter, &c., assistant ...	13,803
Russell, J. C.	Electric conductor splicing ear...	P. 13,741
,, J. C.	Insulator for electric tramways	P. 13,742
Sachs, V.	Magnetic separator	P. 13,687
Saddler, T. J.	Ore separation	13,846
Samuel, M. R. A.	Ore treatment	13,666
,, M. R. A.	Ore treatment	13,667
Sangster, W. B.	Drop hammer	11,422
Sawtell, A. E.	Bicycle appliance	P. 13,834
Schwer, E.	Sheet metal baths	13,102
Shaw, P. C. W.	Electric tramway signalling ...	P. 13,872
Shearer, D. & J.	Stripper harvesters	13,847
Siemens Bros. & Co. Ld.	Controlling railway points ...	13,779
Silver, W.	Sheep shears	P. 13,787
Sim, W.	Pavements	P. 13,722
Smith, G. S.	Sales account book	13,788
,, J.	Flood-gates	P. 13,731
,, W. A.	Lacing shoe uppers	P. 13,819

Name.	Subject.	Number.
Staubli, J.	Knife cleaner	P. 13,683
Stevens, A.	Invalid carriages	13,796
Stevenson, A. H.	Windows	P. 13,850
Stewart, T. D.	Acetylene generator	P. 13,769
Stockfeld, R. H.	Convertible chair	P. 13,826
Stocks, H.	Vehicle wheel-lock	P. 13,686
Stokes, A. W.	Rubber utensil handle ...	P. 13,807
Stowe, W. E.	Venetian blinds	P. 13,723
Strachan, J. J.	Siphon pump	P. 13,671
,, J. J.	Siphon pump	P. 13,738
Stubbs, S. C.	Washing, &c., glasses, &c. ...	P. 13,747
Studholme, J. F.	Rotary engine	13,717
Sundercombe, L. R.	Flash signalling	11,374
Surber, E. C.	Interlocking brick	P. 13,695
Swan, P. E.	Race starting machine ...	P. 13,654
Taylor, J.	Displaying advertisements ...	11,193
,, J. L.	Letter writing block	P. 13,762
Thew, H. E.	Tine harrow attachment ...	P. 13,691
Thyer, J. E.	Attaching discs to cultivators ...	P. 13,746
Tiefenbeck, J. I.	"Killsmell" ejector ...	P. 13,853
Timmins, T.	Reinforced concrete beams ...	P. 13,768
Torrington, F. W.	Aerated water plunger ...	13,765
Trewhella Bros. (B. & W.)	Rope coupling	11,434
Turnbull, W.	Water closet flushers	13,716
Turri, G. G. (Woodbury & Benedict) ...	Treating ores	13,805
Typograph, Gesell. m.b.H. (Dorneth) ...	Matrix setting, &c.	13,706
Tyree, W.	Animal destruction	P. 13,789
Un. Shoe Mach. Co. (Bates)	Boots and shoes	11,334
,, ,, ,, ,, (Cavanagh) ...	Insoles	11,330
,, ,, ,, ,, (Goddu)	Inserting fasteners	11,335
,, ,, ,, ,, (Jerram)	Shoe machinery feeding ...	P. 13,856
,, ,, ,, ,, (McFeely) ...	Boots and shoes	11,331
,, ,, ,, ,, (McFeely) ...	Boots and shoes	11,332
,, ,, ,, ,, (Mayo & Buckminster)	Sole rounding	P. 13,818
,, ,, ,, ,, (Smith)	Lacing shoe uppers	P. 13,819
Uptegraff, A. G.	Overshoes for horses, &c. ...	13,863
Vallely, F.	Resilient wheel	P. 13,758
Vickery, H. D.	Tag labels	13,859
Victor Auto. Carriers Ld.	Newspaper carriers	13,759
Walker, G.	Boiler furnaces	P. 13,689
Wallace, F. W.	Animal bridles	13,158
,, J. W.	Carburetted air gas	12,967
,, J. W.	Carburettors	12,968
,, R. W.	Utilizing Xanthorrhoea ...	13,676
,, R. W.	Treating barks of plants ...	13,677

Name.	Subject.	Number.
Wallworth, C.	Gas saver, &c., for gas engines	P. 13,833
Walton, F.	Road vehicle suspension ...	13,708
Ward, D. O.	Lock nut	P. 13,881
Waters, E. N. (Rohrbach)	Glass blowing machines ...	13,778
Watson, F. B.	Postern door	11,465
,, W. V.	Metal extraction	13,861
,, W. V.	Precipitation of precious metals	13,862
Watts, W.	Dog spike, &c.	11,414
White, H.	Rubber utensil handle ...	P. 13,807
Whitney, R. F. & A. E.	Fleshing, &c., hides	13,814
Williams, A. A.	Window lock	P. 13,766
,, C. G.	Sales account book	13,788
Willington, W. T.	Destroying cactaceous growths	P. 13,669
Wilson, J.	Grindstone attachments ...	P. 13,684
,, J.	Upholstering, &c.	P. 13,783
Woodbury, F. E.	Treating ores	13,805
Wright, O.	Charcoal	P. 13,755
Zinc Corp. Ld. (*licensee*)	Ore separation	1935
,, ,, ,, (*licensee*)	Ore separation	3763

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

FEBRUARY, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.1	Feeding animals at a prearranged time. (37.1; 39.3)	Priest	11,530
00.4	Signal lamp. (99.6)	Sundercombe	11,374
	Group 01.—Acoustics.		
01.2	Wrest pin for pianofortes, &c. (01.3)	Cooper	P. 13,678
01.3	Wrest pin for pianofortes, &c. (01.2)	Cooper	P. 13,678
01.7	Reproducers, &c., for talking machine	Boultbee	13,182
01.9	Typewriter, &c., assistant	Ruddick	13,803
	Group 02.—Dynamo Electric Machinery.		
02.4	Sewing machine motors. (04.7; 42.3)	Haudenschild	13,806
02.5	Rectifiers	Murphy	13,874
	Group 03.—Electric Railways and Power.		
03.2	Electric insulator	Graham	11,711
03.2	Cable connector	Coutts	P. 13,675
03.2	Splicing gear for electricity conductors	Russell	P. 13,741
03.2	Insulator for electric tramways	Russell	P. 13,742

Class.	Title.	Name.	Number.
	Group 04.—Electric Apparatus.		
04.7	Sewing machine motors. (02.4; 42.3)	Haudenschild	13,806
	Group 05.—Telegraphy and Telephony.		
05.2	Telegraphic transmitter	Macdonald	11,389
05.5	Transmission of energy without wires. (Section 121)	Fessenden	13,703
05.6	Telephone apparatus. (05.7; 56.2)	Beattie	13,697
05.6	Telephone instruments. (Section 121)	Aitken	13,815
05.7	Telephone sprinklers. (05.6; 56.2)	Beattie	13,697
	Group 07.—Electrolysis and Batteries.		
07.1	Primary batteries	Bleeck	P. 13,790
	Group 09.—Organic Chemistry.		
09.1	Utilizing Xanthorrhoea plants. (09.4; 47.6)	Wallace	13,676
09.1	Treating barks, &c., of plants. (09.4)	Wallace	13,677
09.4	Utilizing Xanthorrhoea plants. (09.1; 47.6)	Wallace	13,676
09.4	Treating barks, &c., of plants. (09.1)	Wallace	13,677
09.9	Ferments	Barr	13,680
	Group 10.—Crushing and Grinding.		
10.2	Stamp lifting	Behr	P. 13,804
10.7	Feeding chaff-cutters	Cliff	11,356
10.7	Cutting apples, potatoes, &c.	Ambrose	P. 13,831
	Group 11.—Mech. and Elec. Separation.		
11.3	Cleaning, &c., seed, &c. (32.6)	Priest	11,451
11.4	Recovery of gold, &c. (13.2; 13.4)	Bodycomb	13,663
11.7	Treatment of ores, &c.	Lockwood	13,667
11.7	Magnetic separator for minerals	Sachs	P. 13,687
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Separating crushed ore, &c. (28.1)	Arbuckle	13,754
12.1	Precipitating metals from cyanide solutions. (14.4)	Watson	13,862
12.2	Treating ores	Woodbury	13,805
12.5	Separating sulphides from ores	Saddler	13,846
	Group 13.—Amalgamation.		
13.2	Recovery of gold, &c. (11.4; 13.4)	Bodycomb	13,663
13.4	Recovery of gold, &c. (11.4; 13.2)	Bodycomb	13,663
	Group 14.—Leaching Metallurgy.		
14.1	Extraction of gold	Gans	13,665
14.1	Treatment of ores. (Section 121)	Lockwood	13,666
14.4	Treating auriferous, &c., matter. (14.7)	Edwards	13,719
14.4	Treating ores	Clancy	13,858
14.4	Extracting metals	Watson	13,861
14.4	Precipitating metals from cyanide solutions. (12.1)	Watson	13,862
14.7	Treating auriferous, &c., matter. (14.4)	Edwards	13,719

Class.	Title.	Name.	Number
	Group 15.—Metallurgy in Furnaces.		
15.5	Treating zinc ores by precipitation	Imbert	13,707
	Group 16.—Furnaces.		
16.2	Charcoal production. (20.2)	Wright	P. 13,755
16.33	Extracting iron from ores	Howcroft	P. 13,664
	Group 17.—Chimneys, Fumes, Smoke.		
17.7	Air-bridges of boiler furnaces	Walker	P. 13,689
17.8	Smoke arrester	Pomeroy	P. 13,700
17.8	Spark arrester for engines	Mounsey	P. 13,721
	Group 18.—Stones, Cement, &c.		
18.5	Construction of concrete work. (81.2; 81.7)	Ransome	13,681
18.5	Mastic finished pavements. (81.7)	Sim	P. 13,722
18.7	Treating stone for roads, &c. (81.7)	Bowser	P. 13,632
	Group 19.—Glass and Ceramics.		
19.1	Tiles, slabs, &c. (81.7) (Section 121)...	Loke	13,843
19.6	Glass bottle, &c., blowing machines	Rohrbach	13,778
	Group 20.—Solid and Liquid Fuel.		
20.2	Charcoal production. (16.2)	Wright	P. 13,755
	Group 21.—Gas for Light and Heat.		
21.4	Air carburettor for illuminating and heating	Rolfe	P. 13,841
21.4	Carburetted air gas. (61.7)	Hughes	12,967
21.80	Acetylene gas generators, &c. (68.9)	Cotton	P. 13,718
21.80	Gas generator for spraying	Edwards	P. 13,878
21.81	Generating acetylene gas	Dawson	11,198
21.83	Acetylene generator	Robinson	P. 13,769
21.87	Poisonous fumes for destroying vermin. (38.9)	Plucknett	13,752
	Group 22.—Candles and Lamps.		
22.1	Candlesticks, &c.	McDonald	P. 13,724
22.4	Controlling delivery of liquids. (36.2; 56.5)	Bronner	11,283
	Group 23.—Bunsen and Incand. Burners.		
23.3	Vapour-burning lamps	Pitner	13,808
	Group 24.—Domestic Heating; Cooking.		
24.2	Heat concentrator for gas stoves	Dunn	P. 13,668
24.5	Cover for handles of culinary utensils	Ostberg	P. 13,701
24.5	Rubber culinary utensil holder	Stokes	P. 13,807
24.5	Domestic hot water service	Bates	13,857
24.5	Floating bath heater	Malcolm	P. 13,865
24.7	Liquid or semi-liquid strainer. (36.2)	Petrie	11,497
24.7	Tea cosy	Lainson	P. 13,835

Class.	Title.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes.		
25.2	Washing machine	Gray	P. 13,745
25.2	Washing machine	Campbell	P. 13,753
25.2	Washing, &c., machines. (25.6)	Pullen	13,799
25.5	Washing, &c., drinking vessels	Cuthbert	P. 13,747
25.5	Cleaning motor car wind shields, &c.	Hamilton	P. 13,810
25.6	Washing, &c., machines. (25.2)	Pullen	13,799
25.9	Boot paste pad	Credgington	13,750
	Group 27.—Beverages.		
27.3	Carbonating and vending apparatus. (55.7)	Pein	13,631
27.3	Aerating, &c., liquids. (36.3)	Morris	P. 13,730
27.8	Regulating pressure of aerated waters in bulk	Torrington	13,765
	Group 28.—Distillation and Filtration.		
28.1	Separating crushed ore, &c. (12.1)	Arbuckle	13,754
28.1	Cider, &c., press. (57.3)	Ambrose	P. 13,830
28.2	Filter press	Lemmon	11,468
28.2	Filter presses	Haugh	P. 13,786
28.2	Automatic filters	James	P. 13,820
	Group 29.—Refrigeration.		
29.7	Cooling chamber	Mederer	P. 13,630
	Group 30.—Ploughing.		
30.2	Imparting power to drums, &c. (59.1)	Orenshaw	P. 13,737
30.3	Homing springs for cultivator tines. (30.9)	Elliott	11,480
30.7	Furrows for laying poison	Harrip	P. 13,674
30.7	Attaching disks to cultivating implements	Thyer	P. 13,746
30.7	Attachment to plough, &c., wheels	Mitchell	P. 13,782
30.9	Homing springs for cultivator tines. (30.3)	Elliott	11,480
30.9	Spring draught gear	Germein	P. 13,658
	Group 31.—Cultivation.		
31.1	Seed coverer	Fraser	P. 13,873
31.2	Seat attachment for tine harrows	Thew	P. 13,691
31.2	Drag leveller for seed drills	Frazer	P. 13,756
31.5	Destroying cactaceous growths	Fortescue	P. 13,669
31.5	Killing root pests on vines, &c. (69.1)		13,672
31.9	Spray for garden hoses	Olney	P. 13,840
31.9	Sprinkler for watering gardens	Hutton	P. 13,849
	Group 32.—Harvesting.		
32.2	Reapers and binders	Leslie	P. 13,828
32.3	Stripper harvester. (60.3)	Shearer	13,847
32.6	Cleaning, &c., seed, &c. (11.3)	Priest	11,451
32.7	Potato harvester	Reed	11,355

Class.	Title.	Name.	Number.
	Group 33.—Tropiculture.		
33.4	Tobacco cartridges for pipes	Benjamin	13,817
	Group 34.—Cereals, Vegetables, Fruit.		
34.1	Bark stripping machines	Fulton	P. 13,795
34.7	Stirring, &c., utensil. (76.5)	Duncan	11,486
	Group 36.—Dairy Food.		
36.1	Milking machines. (65.4)	Hartnett	13,711
36.1	Adjusting-devices of milking machines	Gandil	13,823
36.2	Milk bucket	Higson	11,229
36.2	Controlling delivery of liquids. (22.4; 56.5)	Bronner	11,283
36.2	Liquid or semi-liquid strainer. (24.7)	Petrie	11,497
36.3	Aerating, &c., liquids. (27.3)	Morris	P. 13,730
	Group 37.—Pastoral.		
37.1	Feeding animals at a prearranged time. (00.1; 39.3)	Priest	11,530
37.1	Removing animals' tails	Wallace	P. 13,634
37.6	Sheep shearing machines	Silver	P. 13,787
	Group 38.—Fowling; Fishing; Trapping.		
38.5	Fish hook	Madeley	P. 13,728
38.5	Fishing line reels	Bennet	P. 13,829
38.9	Rabbit exterminator	Edwards	P. 13,733
38.9	Poisonous fumes for destroying vermin. (21.87)	Plucknett	13,752
38.9	Destroying pests by poisonous fumes	Tyree	P. 13,789
38.9	Destroying rabbits	Richardson	P. 13,832
	Group 39.—Harness; Animal Power.		
39.3	Feeding animals at a prearranged time. (00.1; 37.1)	Priest	11,530
39.3	Forming clips on horse-shoes. (71.5)	Fry	13,860
39.3	Overshoes for horses, &c.	Kinnell	13,863
39.5	Horse and cattle rug fastening	Fiske	P. 13,869
39.6	Saddles	Hardwick	P. 13,871
39.7	Animal bridles and connexions	Wallace	13,158
	Group 40.—Textile Raw Materials.		
40.1	Leather substitute. (47.3)	Menesdorffer	P. 13,875
	Group 42.—Sewing.		
42.3	Sewing machine motors. (02.4; 04.7)	Haudenschild	13,806
42.7	Bobbin winding. (61.5)	Plant	13,868
	Group 43.—Wearing Apparel.		
43.3	Shirt with blouse attachment	Douglas	13,053
43.3	Neck bands for shirts	Plummer	P. 13,729
43.3	Adjusting length of shirt sleeves	Geake	P. 13,740
43.8	Hat pins	Coleman	P. 13,839
43.9	Spring attachment for belts, &c.	Nesbitt	P. 13,685
43.9	Clip for clothing	Pond	P. 13,824

Class	Title.	Name.	Number.
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Boots	Gordon	P. 13,748
44.1	Shoes	Gordon	P. 13,749
44.1	Boots and shoes	Mander	P. 13,797
44.3	Rubber soles, &c., for boots, &c.	Ostberg	P. 13,690
44.3	Cushion heel of boots, &c.	Fenton	P. 13,767
44.5	Machines for preparing insoles	Cavanagh	11,330
44.5	Boot and shoe machines	McFeely	11,331
44.5	Boot and shoe machines	McFeely	11,332
44.5	Boot and shoe machines	Bates	11,334
44.5	Machines for inserting fasteners	Goddu	11,335
44.5	Sole rounding machines	Mayo	P. 13,818
44.5	Lacing shoe uppers	Smith	P. 13,819
44.5	Feeding mechanisms for shoe machinery	Jerram	P. 13,856
	Group 45.—Furniture.		
45.1	Spring seats	Hansen	13,295
45.1	Wire mattresses. (46.1)	McDonough	P. 13,757
45.1	Convertible chair	Stockfeld	P. 13,826
45.1	Chair stay	Edwards	P. 13,879
45.2	Frame for beds, bunks, &c. (45.3)	Grace	P. 13,705
45.2	Bedsteads	McDonough	P. 13,739
45.3	Frames for beds, bunks, &c. (45.2)	Grace	P. 13,705
45.5	Lavatory basin. (86.1)	Monteith	12,654
45.5	Sheet metal baths. (86.1)	Schwer	13,102
45.6	Receptacle for string, &c.	Burrows	P. 13,800
45.7	Steel venetian blinds	Stowe	P. 13,723
	Group 46.—Upholstery.		
46.1	Wire mattresses. (45.1)	McDonough	P. 13,757
46.1	Upholstering, &c.	Wilson	P. 13,783
46.1	Wire mattresses for bedsteads	Horne	P. 13,801
46.1	Stay laced wire mattress	Enright	P. 13,802
46.5	Hanging picture frames	Burns	P. 13,673
46.6	Suspending curtains, &c. (Section 121)	Andreae	13,776
	Group 47.—Leather and Plastics.		
47.2	Preparing hides for leather. (Section 121)	Rohm	13,777
47.2	Fleshing, &c., hides. (Section 121)	Whitney	13,814
47.3	Leather substitute. (40.1)	Menesdorffer	P. 13,875
47.6	Utilizing Xanthorrhoea plants. (09.1; 09.4)	Wallace	13,676
	Group 48.—Paper; Bookbinding.		
48.3	Platen printing machines	Kell	P. 13,694
48.3	Paper feeding printing machines	Pejeau	13,825
48.3	Printing, &c., tag labels. (54.3)	Parker	13,859
48.8	Counter sales check book. (54.5)	Neave	P. 13,660
48.8	Counter sales check book. (54.5)	Neave	P. 13,661
	Group 49.—Clerical; Scholastic; Artistic.		
49.3	Letter writing block	Taylor	P. 13,762
49.3	Writing tablets	Reilly	P. 13,764
49.6	Draughtsmen's desks, &c.	Rigg	P. 13,709

Class	Title.	Name.	Number.
	Group 50.—Typographic Printing.		
50.3	Justifying mechanism for composing machines. (50.5)	Bancroft	13,692
50.4	Typewriting machines	Nickerson	13,657
50.4	Typewriting machines	Lehmann	13,704
50.5	Justifying mechanism for composing machines. (50.3)	Bancroft	13,692
50.5	Matrix setting and line casting	Dorneth	13,706
50.8	Newspaper carriers. (59.6)		13,759
	Group 53.—Amusements.		
53.1	Horse-race starting machine	Swan	P. 13,654
53.3	Starting gates for races	Pomeroy	P. 13,725
53.3	Station and sports indicator. (54.1)	Bathgate	P. 13,785
53.6	Billiard. &c., cushion	Gray	11,593
53.6	Billiard table game	Meek	13,655
53.7	Bevelled game ball	Gardiner	13,771
53.9	Spinning tops	Campbell	13,170
	Group 54.—Commerce.		
54.1	Displaying advertisements. (90.7)	Taylor	11,193
54.1	Advertising kiosk	Kenney	P. 13,699
54.1	Wind-operated advertising contrivance	Clemesha	P. 13,702
54.1	Station and sports indicator. (53.3)	Bathgate	P. 13,785
54.3	Mail bag, &c., label	Reilly	P. 13,710
54.3	Leather band, &c., for securing mail bags, &c.	Madeley	P. 13,780
54.3	Clasp for mail bags, &c.	Easdown	P. 13,792
54.3	Printing, &c., tag labels. (48.3)	Parker	13,859
54.5	Counter sales check book. (48.8)	Neave	P. 13,660
54.5	Counter sales check book. (48.8)	Neave	P. 13,661
54.5	Sale account book	Smith	13,788
	Group 55.—Money.		
55.7	Carbonating and vending apparatus. (27.3)	Pein	13,631
	Group 56.—Counting, Measuring, Weighing.		
56.2	Telephone apparatus. (05.6; 05.7)	Beattie	13,697
56.5	Controlling delivery of liquids. (22.4; 36.2)	Bronner	11,283
	Group 57.—Packing, Compressing, Bottling.		
57.3	Cider, &c., press. (28.1)	Ambrose	P. 13,830
57.3	Metallic bale fastener	Hughes	P. 13,866
57.5	Receptacles for volatile ingredients	Quirk	P. 13,775
57.6	Anti-fraud bottles, &c.	Cameron	11,629
57.8	Strap handles	Barlow	P. 13,877
	Group 58.—Chains, Ropes, Wire.		
58.1	Shackle coupling for ropes. (58.7)	Trewhella	11,434
58.3	Knot maker and wire key	Edwards	P. 13,734
58.3	Fencing droppers, &c. (81.8)	Cowell	13,763
58.7	Shackle coupling for ropes. (58.1)	Trewhella	11,434

Class.	Title.	Name.	Number.
	Group 59.—Conveying and Lifting.		
59.1	Imparting power to drums, &c. (30.2)	Orenshaw	P. 13,737
59.2	Controlling descent of mining, &c., cages. (Section 85, *see* 9915/07)	Cooper	13,774
59.2	Bag-lifter	Ross	P. 13,784
59.2	Stopping falling conveyances in guided travelling ways	Sainte Croix	13,821
59.4	Wire rope transmission, &c.	Papprill	13,698
59.6	Newspaper carriers. (50.8)		13,759
	Group 60.—Mechanism; Lubrication.		
60.1	Differential eccentric	Pickering	P. 13,659
60.3	Stripper harvester. (32.3)	Shearer	13,847
60.7	Packing reciprocating pistons	Robinson	P. 13,811
60.7	Fluid cushioned bearings	Ponten	13,855
60.8	Ball roller. (78.6)	Bassett	11,561
	Group 61.—Governors.		
61.5	Bobbin winding. (42.7)	Plant	13,868
61.7	Carburetted air gas. (21.4)	Hughes	12,967
61.7	Carburettor for internal combustion engines. (66.5)	Hughes	12,968
61.7	Flushers for water closets, &c. (86.2)	Turnbull	13,716
61.7	Rotary engine. (67.7)	Studholme	13,717
	Group 62.—Power Storage.		
62.7	Variable speed gear. (95.9)	Ekins	P. 13,693
	Group 63.—Steam Power.		
63.2	Boiler seatings. (63.4) (Sec. 121)	Germeau	13,629
63.4	Boiler seatings. (63.2) (Sec. 121)	Germeau	13,629
	Group 64.—Cranked Engines.		
64.5	Balanced slide valve for steam engines	Manderson	P. 13,864
	Group 65.—Reciprocating Motors.		
65.3	Valveless engines	Mauss	P. 13,713
65.4	Escape of air in air brakes. (96.6; 99.6)	Higgins	11,595
65.4	Milking machines. (36.1)	Hartnett	13,711
	Group 66.—Gas and Oil Engines.		
66.2	Two-cycle explosion engine	Côte	13,715
66.2	Thermo-dynamic motors. (66.5; 66.8; 67.1)	Haines	13,827
66.2	Two-cycle explosion motors	Broad	P. 13,836
66.5	Carburettor for internal combustion engines. (61.7)	Hughes	12,968
66.5	Thermo-dynamic motors. (66.2; 66.8; 67.1)	Haines	13,827
66.7	Gas saving, &c., on gas engines	Wallworth	P. 13,833
66.8	Thermo-dynamic motors. (66.2; 66.5; 67.1)	Haines	13,827
	Group 67.—Turbines; Rotary Motors.		
67.1	Thermo-dynamic motors. (66.2; 66.5; 66.8)	Haines	13,827
67.7	Rotary engine. (61.7)	Studholme	13,717

Class.	Title.	Name.	Number.
	Group 68.—Pumps for Liquids.		
68.3	Oscillating pump	Pottinger	P. 13,735
68.9	Acetylene gas generators, &c. (21.80)	Cotton	P. 13,718
68.9	Spray pump	Edwards	P. 13,880
	Group 69.—Blowers and Compressors.		
69.1	Killing root pests on vines, &c. (31.5)		13,672
69.1	Pipe dredges. (84.8)	Lovett	13,813
69.4	Pumping air under low pressure	Wallace	P. 13,633
	Group 70.—Casting and Stamping.		
70.6	Metallic tubes. (71.8)	Hooker	13,812
	Group 71.—Forging, Rolling, &c.		
71.2	Drop hammer for forging, &c.	Sangster	11,422
71.5	Forming clips on horse-shoes. (39.3)	Fry	13,860
71.8	Metallic tubes. (70.6)	Hooker	13,812
	Group 73.—Sheet Metal Work.		
73.2	Roller disks, formation and angle of rolling. (81.8)	Cromwell	P. 13,743
73.2	Metallic culvert	Pedlar	13,851
	Group 74.—Pipes and Fittings.		
74.4	Water pipe. (80.8)	Burnett	11,396
74.4	Timber pipe. (80.8; 83.5)	Kinnear	11,460
74.6	Convertible pipe tongs	Blumfield	P. 13,844
74.7	Three-way cock	Finlay	P. 13,751
74.8	Cock for stock-troughs, &c.	King	P. 13,852
74.9	Nozzle for garden sprinklers	Anderson	P. 13,696
	Group 75.—Abrading and Polishing.		
75.1	Grindstone attachments	Wilson	P. 13,684
75.2	Knife cleaner	Pemberton	P. 13,683
75.8	Cleaning ships without docking	Gargett	11,494
	Group 76.—Cutlery; Plate.		
76.5	Stirring, &c., utensil. (34.7)	Duncan	11,486
76.5	Cork puller	Coleman	P. 13,838
76.8	Skewer extractor	Letchford	P. 13,727
76.8	Bread-knife, &c., attachments	Coleman	P. 13,837
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Locking windows when partly open. (78.7)	Williams	P. 13,766
77.1	Catch, &c., for railway carriages	Dargie	P. 13,773
	Group 78.—Structural Hardware.		
78.1	Bifurcated railway dog spike, &c. (98.4)	Watts	11,414
78.4	Lock nut	Ward	P. 13,881
78.6	Ball roller. (60.8)	Bassett	11,561
78.7	Locking partly opened windows. (77.1)	Williams	P. 13,766
78.8	Doors, latches, &c. (91.2)	Mazzolini	13,822

Class.	Title.	Name.	Number.
	Group 80.—Carpentry.		
80.3	Duplicate auger	Lumsden	P. 13,670
80.8	Water pipe. (74.4)	Burnett	11,396
80.8	Timber pipe. (74.4; 83.5)	Kinnear	11,460
	Group 81.—Buildings, Streets, Fencing.		
81.1	Interlocking block	Surber	P. 13,695
81.2	Construction of concrete work. (18.5; 81.7)	Ransome	13,681
81.2	Reinforced concrete beam construction	Timmins	P. 13,768
81.3	Portable closets, &c.	Dannhardt	P. 13,662
81.3	Tent construction	Bahan	13,791
81.5	Postern or wicket to door	Watson	11,465
81.5	Windows	Stevenson	P. 13,850
81.7	Treating stone for roads, &c. (18.7)	Bowser	P. 13,632
81.7	Construction of concrete work. (18.5; 81.2)	Ransome	13,681
81.7	Mastic finished pavements. (18.5)	Sim	P. 13,722
81.7	Tiles, slabs, &c. (19.1) (Section 121)	Loke	13,843
81.8	Roller disks, formation and angle of rolling. (73.2)	Cromwell	P. 13,743
81.8	Fencing droppers, &c. (58.3)	Cowell	13,763
81.9	Flood-gates for irrigation	Smith	P. 13,731
81.9	Gates	Purser	P. 13,794
	Group 83.—Waterworks.		
83.1	Water softening	Bruce	13,679
83.1	Interceptor tank for roof-rain-water	Lassen	13,688
83.5	Timber pipe. (74.4; 80.8)	Kinnear	11,460
83.5	Air vessel attachment for water service pipes	Jackson	P. 13,798
83.7	Siphon pump	Strachan	P. 13,671
83.7	Siphon pump	Strachan	P. 13,738
	Group 84.—Excavation and Dredging.		
84.3	Scraping and gathering lake salt	Bradley	P. 13,816
84.8	Pipe dredges. (69.1)	Lovett	13,813
	Group 85.—Mining.		
85.7	Sinking post holes. (95.5)	Haselwood	11,170
	Group 86.—Sanitation.		
86.1	Lavatory basin. (45.5)	Monteith	12,654
86.1	Sheet metal baths. (45.5)	Schwer	13,102
86.2	Flushers for water closets, &c. (61.7)	Turnbull	13,716
86.2	Flushing cisterns	Fulham	P. 13,845
86.2	Killsmell ejector	Tiefenbeck	P. 13,853
86.3	Closets	Berry	12,128
86.3	Closet	Lane	P. 13,870
86.5	Dropping receiver for harness horses	Kenny	P. 13,732
86.5	Garbage, &c., receptacles	Creed	P. 13,781
	Group 87.—Medicine.		
87.2	Hypodermic syringe	Ball	11,647
87.3	Invalid carriage. (93.2)	Stevens	13,796
87.3	Stiffened body belts	Blackwell	P. 13,809

Class	Title.	Name.	Number.
	Group 88.—Salvage, Accidents.		
88.1	Beater for bush fires	Allen	P. 13,760
88.2	Rendering chemical fire extinguishers automatic and usable by hand	Price	P. 13,736
88.9	Minimizing and preventing collisions between vessels. (92.6) ...	Pearce	P. 13,744
	Group 89.—War.		
89.3	Double-acting maxim gun	Carson	P. 13,726
89.9	Projectiles	McDonald	P. 13,712
	Group 90.—Wind and Flying Machines.		
90.3	Flying machine	Gordon	P. 13,720
90.7	Displaying advertisements. (54.1)	Taylor	11,193
	Group 91.—Ship Building.		
91.2	Doors, hatches, &c. (78.8)	Mazzolini	13,822
	Group 92.—Marine Propulsion.		
92.6	Rowlock	Millar	11,387
92.6	Minimizing and preventing collisions between vessels. (88.9) ...	Pearce	P. 13,744
	Group 93.—Road Vehicles.		
93.2	Invalid carriage. (87.3)	Stevens	13,796
93.3	Vehicle wheel-lock	Phillips	13,131
93.3	Vehicle wheel-lock	Stocks	P. 13,686
93.3	Road vehicle suspension	Walton	13,708
93.4	Motor-vehicle wheels. (97.83) (Section 85, *see* 8012/07) ...	Houlden	P. 13,714
93.4	Securing metal tyre ends	Fortescue	P. 13,867
93.5	Traction engines. (95.9)	Holt	13,854
93.7	Releasing harness from vehicles	Curley	P. 13,761
	Group 94.—Cycles.		
94.1	Spring frame for motor cycles	Denham	11,402
94.1	Bicycle spring fork	Jelbart	P. 13,793
94.1	Cycle shock absorber. (94.3)	Gilbert	P. 13,876
94.3	Cycle shock absorber. (94.1)	Gilbert	P. 13,876
94.7	Bicycle appliance for hill climbing	Sawtell	P. 13,834
	Group 95.—Locomobiles.		
95.5	Sinking post holes. (85.7)	Haselwood	11,170
95.9	Variable speed gear. (62.7)	Ekins	P. 13,693
95.9	Traction engine. (93.5)	Holt	13,854
	Group 96.—Rolling Stock.		
96.3	Monorail railway. (96.9; 98.1; 98.4)	Bloomer	13,682
96.6	Escape of air in air brakes. (65.4; 99.6)	Higgins	11,595
96.9	Monorail railway. (96.3; 98.1; 98.4)	Bloomer	13,682

Class.	Title.	Name.	Number.
	Group 97.—Wheels.		
97.6	Elastic wheels	Larson	P. 13,656
97.6	Resilient wheel	Vallely	P. 13,758
97.83	Motor-vehicle wheels. (93.4) (Section 85, *see* 8012/07) ...	Houlden	P. 13,714
97.83	Pneumatic tyre for bicycles, &c.	Payne	P. 13,772
97.87	Tyre puncture detector	Lawrence	P. 13,842
97.89	Covers of pneumatic tyres	Clark	P. 13,848
	Group 98.—Permanent Way.		
98.1	Monorail railway. (96.3; 96.9; 98.4)	Bloomer	13,682
98.2	Minimizing risks of railway derailment. (99.4)...	Angus	P. 13,770
98.2	Electric tramway signalling	Shaw	P. 13,872
98.4	Bifurcated railway dog spike, &c. (78.1)	Watts	11,414
98.4	Monorail railway. (96.3; 96.9; 98.1)	Bloomer	13,682
	Group 99.—Signalling.		
99.2	Electrically controlled railway points. (Section 121)	Ferreira	13,779
99.4	Minimizing risks of railway derailment. (98.2)	Angus	P. 13,770
99.6	Signal lamp. (00.4)	Sundercombe	11,374
99.6	Escape of air in air brakes. (65.4; 96.6)	Higgins	11,595

DESCRIPTIVE SUBJECT INDEX

TO SPECIFICATIONS OPENED TO INSPECTION.

FEBRUARY, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The numbers stated in parentheses after the subject indicate classes in which entries have also been made

Applications under Section 121 are indexed at the stage at which they become open to public inspection.

Class.	Subject.	Name.	Number.
	Group 00.—Science.		
00.7	Electrically connected thermometer; screw adjusted contact; bulb to collect mercury and close circuit if glass breaks. (29.7; 99.7) ..	Westneat	12,639
	Group 02.—Dynamo Electric Machinery.		
02.6	Spark gap, series-connected water-cooled electrodes in partial vacuum. (05.5)	Fessenden	10,745
	Group 04.—Electric Apparatus.		
04.7	Controlling motors for driving sheep shears by resistance rheostat. (37.6; 60.1)	Newman	10,578
	Group 05.—Telegraphy and Telephony.		
05.5	Spark gap, series-connected water-cooled electrodes in partial vacuum. (02.6)	Fessenden	10,745
05.8	Manually supervised selectors controlling branch exchange selectors and indicators	Kingsbury	12,195
	Group 06.—Electric Lamps.		
06.1	Ultra-violet rays from mercury vapour lamps with envelope of quartz. (07.9; 08.9; 17.4)	Kühne	12,637

Class.	Subject.	Name.	Number.
	Group 07.—Electrolysis and Batteries.		
07.9	Ozonizer, &c.; oil-cooled concentric electrodes diverging at ends; spiral slitting; three designs of gas passage tubes. (Section 121) ..	Gerard	10,943
07.9	Purifying smoke and collecting sulphuric acid by synthetic oxidation of SO_2 in chambers illuminated by extra-violet light from mercury vapour lamps. (06.1; 08.9; 17.4)	Kühne	12,637
	Group 08.—Mineral Chemistry.		
08.9	Purifying smoke and collecting sulphuric acid by synthetic oxidation of SO_2 in chambers illuminated by extra-violet light from mercury vapour lamps. (06.1; 07.9; 17.4)	Kühne	12,637
08.9	Production of stable and dry ammonium phosphate, containing some ammonium sulphate (37.1). (Section 121)	Caro	13,556
	Group 09.—Organic Chemistry.		
09.1	Extracting sugar and alcohol from Xanthorrhoea; destroying ferments by sterilization. (33.1)	Wallace	10,776
09.2	Separating vegetable waxes and fats from sugar filter-press cake by volatile solvents; purification and separation of soft and hard products. (33.1; 47.6.) (Section 121)	Wynberg	13,269
09.4	Extracting gum-resin and sugar-resin from Xanthorrhoea bark, &c.; separation by hot water. (47.6)	Wallace	10,778
09.4	Artificial rubber, &c., by treating Xanthorrhoea gum-resins with hot vegetable oil bath. (47.5; 47.6)	Wallace	10,777
09.4	Extracting gums and resins from Xanthorrhoea by alcohol in liquid or vapour. (*See* 10,776/*08*.) (47.6)	Wallace	13,676
09.4	Extracting camphors and balsams from the lamellae of the Xanthorrhoea by wet distillation. (*See* 10,778/*08*.)	Wallace	13,677
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Continuous withdrawal of deposit from settling vats; differential rollers with adjustable central wedge	Arbuckle	12,362
12.2	Double piston jig; central delivery valve lifted by thick deposit ..	Foust	12,446
	Group 14.—Leaching Metallurgy.		
14.4	Upward leaching with continuous stirring by decanting and circulation; aeration by blowing. (14.7)	Usher	11,086
14.7	Vat plant for continuous upward circulation and decanting with aeration. (14.4)	Usher	11,086
	Group 15.—Metallurgy in Furnaces.		
15.1	Burning clay ores with sand prior to crushing for cyaniding	Brooks	11,203
15.1	Agglomerating ores by a gas flame with supplementary pyritic heating ..	Perkins	12,461
	Group 16.—Furnaces.		
16.30	Fuel gas plant; vertical producer with rotating lock-hopper; duplicate scrubber, washer, &c., used alternately. (21.2; 21.5)	Temple	11,748
16.8	Loco-ashpans; louvred bottoms opened by lever and links; fixed arch over axle; wash-out or spraying pipes	Hills	11,845

Class.	Subject.	Name.	Number.
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Air heating chamber on inner face of furnace door; flared discharger; dampers	Rafferty	10,965
17.1	Rectangular chimney top with hooded or louvred openings facing alternate sides in sequence	Reeves	12,643
17.4	Purifying smoke and collecting sulphuric acid by synthetic oxidation of SO_2 in chambers illuminated by extra-violet light from mercury vapour lamps. (06.1; 07.9; 08.9)	Kühne	12,637
	Group 18.—Stones, Cement, &c.		
18.5	Pumice concrete for tiles. (81.4)	Whiter	11,993
	Group 19.—Glass and Ceramics.		
19.6	Blowing cylinders for sheet glass; swinging blowpipe on horizontal carriage; water cooled moulding block; valve, couplings, &c. (74.5)	Forster	12,740
	Group 21.—Gas for Light and Heat.		
21.2	Fuel gas plant; vertical producer with rotating lock-hopper; duplicate scrubber, washer, &c., used alternately. (16.30; 21.5)	Temple	11,748
21.5	Fuel gas plant; duplicate scrubbers and washers used alternately; chain-bucket gas submerger equalizing the pressure. (16.30; 21.2)	Temple	11,748
21.5	Purifying or absorbing gases in an annular film of rotating liquid between a rotary and a fixed vessel	Brandenburg	12,535
	Group 22.—Candles and Lamps.		
22.4	Vertical screw-up piercing tap; for use below kerosene tins on a bracket	Corbett	10,890
	Group 23.—Bunsen and Incand. Burners.		
23.3	Filter cartridges for vaporizing tubes, *as* 8363/*07*; split or twisted formation. (23.5.) (Section 121)	Miess	11,547
23.5	Filter cartridges for vaporizing tubes, *as* 8363/*07*; split or twisted formation. (23.3.) (Section 121)	Miess	11,547
23.5	Conical burner casing, deflector and globe gallery for downward lamps; exits for burnt air alternate with inlets for fresh air. (Section 121) ..	Francis	13,557
	Group 24.—Domestic Heating; Cooking.		
24.5	Vertical "vomiting" digester; steam admission trunnions and heating coil	Hutchinson	12,557
24.7	Tea-infuser; perforated spherical hinged case suspended in the teapot by spring clips	Thomas	12,033
	Group 25.—Washing; Cleaning; Brushes.		
25.1	Flaked soap; solidified in films between refrigerated rollers, split on emergence, afterwards scraped off	Schou	12,682
25.2	Washing machine; oscillating dolly on vertical axis with pendulous centrifugal beaters; weighted handle and bevel gearing	Cisewski	10,971
25.2	Eccentric washing barrel on trunnions; internal ribs; external bumping springs	Auhl	11,899

Class.	Subject.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes—*continued.*		
25.2	Wool scour; bands, scrapers, &c. (several designs) for removing sediment during the scouring; triangular immersion rollers; submerged air jets. (25.6)	McDonough	12,305
25.2	Multiplying lever gear for vertical spindle of horizontally oscillating dolly	Smith	12,612
25.6	Drying wool; conveyor belts in hot air current; zigzag path in series. (25.2)	McDonough	12,305
25.6	Spring-clip bracket and double hook, for hanging clothes drying rails from mantel shelf. (78.9.) (Section 121)	Fenton	12,583
25.7	Reciprocating gas heated tailors' pressing and ironing machine; damping cloth and trough; changeable mould boards, &c. (60.8) ..	Paul	12,651
	Group 27.—Beverages.		
27.7	Dispensing stopper, with outlet tube, screw cap, and reflexed air-vent tube throttled by the finger. (57.5)	Scott	12,729
	Group 28.—Distillation and Filtration.		
28.2	Folding-belt filter; chain-nipped at edge; compressed by polygonal rollers; development of 6031/*06* and 9813/*07*	Wallace	10,765
	Group 29.—Refrigeration.		
29.7	Electrically connected thermometer; screw adjusted contact; bulb to collect mercury and close circuit if glass breaks. (00.7; 99.7) ..	Westneat	12,369
	Group 30.—Ploughing.		
30.2	Hauling jacks; rope grips and double purchase pulley; rope hauled by rack and horse-whip pulley, &c. (59.1; 62.7)	Trewhella	11,051
	Group 31.—Cultivation.		
31.1	Potato planter; seed hopper with conveyor chain having cam-erected rake-teeth	Hanrahan	10,822
31.5	Packing dehydrated bluestone with soda-ash, &c.; for use in destroying plant fungus	Gepp	12,638
31.7	Manure from sea fish or mammals, &c.; disintegrating, cooking, draining, drying, &c. (Section 85, *see* 7492/*06*)	Gordon	11,876
	Group 33.—Tropiculture.		
33.1	Extracting sugar and alcohol from xanthorrhoea; destroying ferments by sterilization. (09.1)	Wallace	10,776
33.1	Separating vegetable waxes and fats from sugar filter-press cake by volatile solvents; purification and separation of soft and hard products. (09.2; 47.6.) (Section 121)	Wynberg	13,269
	Group 34.—Cereals, Vegetables, Fruit.		
34.6	Malt bread containing emulsified olive oil, sugar, &c.	Willson	10,830
34.7	Acid-extracted syrup of pawpaw. Pre-digested dried and powdered animal or vegetable food containing pawpaw	Fowles	12,524

Class.	Subject.	Name.	Number.
	Group 37.—Pastoral.		
37.1	Production of stable and dry ammonium phosphate, containing some ammonium sulphate. (08.9.) (Section 121)	Caro	13,556
37.6	Rock lever with roller and slot geared at both ends. Driving sheep shears by direct coupled motor geared down. (04.7 ; 60.1) ..	Newman	10,578
37.6	Forked comb-spring, with adjusting screw ; for broad combs ..	Boyland	11,849
	Group 38.—Fowling; Fishing; Trapping.		
38.9	Combination of pneumatic pressure vessels using acetylene apparatus (5958/*06* ; 7116/*06* ; 7117/*06* ; 8321/*07* ; 8647/*07* ; 9697/*07* ; 10,088/*07*) ; with connexions for fumigating or spraying accessories not detailed. (68.9)	Brooks	11,161
	Group 39.—Harness; Animal Power.		
39.5	Horse rug ; doubled breast flap ; two diagonal girths to belly pad ..	Allinson	10,702
39.6	Metal tug loop, buckle and keep ; leather liner retained by inward flanges and embedded spring	Bradford	11,055
39.7	Buckle with double-ended tongue engaging the strap and frame at both ends without sewing. (43.9)	Brittin	10,932
39.8	Safety stirrup ; footplate pivoted to sides ; three designs	Porteous	11,223
	Group 41.—Weaving.		
41.9	Tar cloth ; treated with alum before, and with sand and lime wash, &c., after, tarring. (81.4 ; 88.4)	Bosch	11,106
	Group 42.—Sewing.		
42.3	Single thread lockstitch machine ; long-loop engaged by short sub-loop of previous stitch ; looping hook and tension device ; two methods..	Baker	12,077
42.7	Welt sewing ; disengagement roller-lock for welt guide and back gauge to avoid hammering action on work. (44.5 ; 60.1). (Section 121)	Plant	12,752
42.7	Sewing machine *as* U.S.A. 473,870/*92* ; presser foot mechanism ; work released by handle or volute spring stop action. (44.5 ; 61.5.) (Section 121)	Plant	12,753
	Group 43.—Wearing Apparel.		
43.1	Cutting-out clothing through several thicknesses of fabric simultaneously; cylinders with patterned cutters ; feed gear, &c.	Brunt	10,729
43.8	Spring metal clip to support the crown crease in soft felt hats ..	Hutchinson	12,722
43.9	Buckle with double ended tongue engaging the strap and frame at both ends without sewing. (39.7)	Brittin	10,932
43.9	Brooches, safety pins, &c.; pivoted catch or hood for free end of pin. (Section 121)	Liebert	11,763
	Group 44.—Boots and Shoes; Umbrellas.		
44.5	Welt sewing ; disengagement roller-lock for welt guide and back gauge to avoid hammering action on work. (42.7 ; 60.1.) (Section 121)	Plant	12,752
44.5	Boot sewing machine, *as* U.S.A. 473.870/*92* ; presser foot mechanism ; work released by handle or volute spring stop action. (42.7 ; 61.5). (Section 121)	Plant	12,753
44.5	Cementing vamp edges, &c. ; rotary brush with guide disk and pocket-roller feeder. (79.4.) (Section 121)	Lautenschlager	13,202

Class.	Subject.	Name.	Number
	Group 45.—Furniture.		
45.2	Bedsteads; brackets cast on to bolts screwed into bed post; isolating castiron from brass post tubes. (70.2)	Gibson	10,670
45.2	Bedstead joint; duplex plug with reversed tapers for connecting two socket ends	Stephenson	12,735
45.2	Bedstead posts; ornamental mounts split and held by screws; for use between enlargements on the tubes	Stephenson	12,860
	Group 46.—Upholstery.		
46.1	Spiral woven mattress reinforced by diagonal bands interlaced by hand	Johnson	10,897
46.6	Rolling-blinds connected by cords to upper and lower rollers to allow opening at top or bottom; balance weights, cords, and lower detent hook	McGregor	10,770
46.6	Mounting curtain poles on a loose rail with cords over pulleys on the fixed headboard	Rann	11,965
	Group 47.—Leather and Plastics.		
47.5	Rubber substitute, by treating Xanthorrhoea gum-resins with hot vegetable oil bath. (09.4; 47.6)	Wallace	10,777
47.6	Gutta-percha or mastic substitutes, by treating Xanthorrhoea gum-resins with hot vegetable oil bath. (09.4; 47.5)	Wallace	10,777
47.6	Extracting gum-resin and sugar-resin from Xanthorrhoea bark, &c.; separation by hot water. (09.4)	Wallace	10,778
47.6	Wax of high melting point like carnauba wax; from sugar refuse. (09.2; 33.1.) (Section 121)	Wynberg	13,269
47.6	Extracting gums and resins from Xanthorrhoea by alcohol in liquid or vapour. (*See* 10,776/*08*.) (09.4)	Wallace	13,676
	Group 48.—Paper; Bookbinding.		
48.1	Paper pulp from megasse by mild treatment with weak alkaline soda in digester at 100° to 116° C., and special washing	Hutchinson	12,893
48.3	Feed table for printing; oblique cord-driven rollers for side-lay ..	Johnson	12,757
	Group 54.—Commerce.		
54.3	Reversible address label; metal flaps connected by swivel stud-hinge. (Section 85, *see* 1917/*04*)	Whelan	11,854
	Group 55.—Money.		
55.5	Multiple M.S. cash and invoice recorder; separate webs interlocked with cash tills for each operator; with extra totalizing band	Trevellian	12,529
	Group 57.—Packing, Compressing, Bottling.		
57.3	Wool or skin baling press; lateral chains from platen to lever capstans on the base; box details	Pilkington	10,869
57.3	Double hook wire fasteners for securing bale flaps; comb forks for temporary support. (58.4)	Hughes	12,549
57.5	Dispensing stopper, with outlet tube, screw cap, and reflexed air-vent tube throttled by the finger. (27.7)	Scott	12,729
	Group 58.—Chains, Ropes, Wire.		
58.4	Double hook wire fasteners for securing bale flaps; comb forks for temporary support. (57.3)	Hughes	12,549

Class	Subject.	Name.	Number.
	Group 59.—Conveying and Lifting.		
59.1	Hauling jacks ; rope grips and double purchase pulley ; rope hauled by rack and horse whip pulley, &c. (30.2 ; 62.7)	Trewhella	11,051
59.2	Weight closed flexible floors sliding horizontally, opened by cams attached to top and bottom of car	Warner	10,967
	Group 60.—Mechanism ; Lubrication.		
60.1	Slinging motor by spring balanced levers ; several methods of flexible shaft connexions for driving sheep shears by supported electric or other motor. (04.7 ; 37.6)	Newman	10,578
60.1	Disengagement and feeling-contact roller-clutch in link of boot sewing machine. (42.7 ; 44.5.) (Section 121)	Plant	12,752
60.3	Quadrant mangle-rack for windmill pump ; two designs for quick return. (61.9 ; 90.7.) (Section 121)	Murnane	13,090
60.8	Ball supports with spring back, in tailor's ironing machine. (25.7) ..	Paul	12,651
	Group 61.—Governors.		
61.5	One-revolution stop action ; arm or volute spring intercepted by stop finger ; brake block and recoil buffer. (42.7 ; 44.5.) (Section 121)	Plant	12,753
61.9	Compressor unloaders ; weighted slide and piston-motor valves ; step-by-step control with auxiliary clearance chamber. (69.4)	Prellwitz	12,468
61.9	Compound compressor unloaders ; weighted slide and piston-motor valves ; auxiliary clearance receiver, &c. (69.4)	Prellwitz	12,469
61.9	Wind-pump stroke varied by sliding or locked block, moved along lever by vertical governor vane. (60.3 ; 90.7.) (Section 121) ..	Murnane	13,090
	Group 62.—Power Storage.		
62.1	Overshot wheel coupled to barrel pump in bore and driven by flow. (68.5)	Chivers	11,202
62.1	Diverging-pipe centrifugal pump and turbine motors, in closed cycle for power. (69.6.) (Section 121)	Spoendlin	11,975
62.7	Adhesive coating for belt pulleys ; dextrine and silicate of soda, &c. (79.3)	Favard	10,673
62.7	Reversible pressure guide sheaves for slack end in whip haulage on grooved winch-pulley. (30.2 ; 59.1)	Trewhella	11,051
62.7	Jamming clutch for locking split tubes ; radial studs separated by axial cone and screw. (94.3)	Mead	12,548
	Group 66.—Gas and Oil Engines.		
66.5	Cooling by fan and casing partly surrounding ribbed cylinders ..	Halliday	11,421
66.8	Multiple spring rocked spark points with central rotating wiper ; alternate use for high speed engines	Sage	12,413
	Group 67.—Turbines; Rotary Motors.		
67.4	Reversible cased impact paddle-wheel ; inclined blades to give greater power in one direction of motion. (74.7 ; 83.5.) (Section 121) ..	Beale	13,578
	Group 68.—Pumps for Liquids.		
68.5	Low pressure artesian flow drives gravity water wheel coupled to pump in the bore to increase delivery. (62.1)	Chivers	11,202
68.9	Combination of pneumatic pressure vessels using acetylene apparatus (5958/06 ; 7116/06 ; 7117/06 ; 8321/07 ; 8647/07 ; 9697/07 ; 10,088/07) ; with connexions for fumigating or spraying accessories not detailed. (38.9)	Brooks	11,161

Class.	Subject.	Name.	Number.
	Group 69.—Blowers and Compressors.		
69.4	Compressor unloaders; auxiliary clearance receiver with inter-acting piston valves for step-by-step control. (61.9)	Prellwitz	12,468
69.4	Compound compressor unloaders; weighted slide and piston-motor valves; auxiliary clearance receiver, &c. (61.9)	Prellwitz	12,469
69.6	Diverging pipe centrifugal pump and turbine motors in closed cycle for power. (62.1.) (Section 121)	Spoendlin	11,975
	Group 70.—Casting and Stamping.		
70.2	Bedsteads; brackets cast on to bolts screwed into bed post; isolating castiron from brass post tubes. (45.2)	Gibson	10,670
	Group 73.—Sheet Metal Work.		
73.2	Dies for ridge capping; toggle action dies for central bead; opened by springs or weights	Heine	12,825
	Group 74.—Pipes and Fittings.		
74.5	Flexible ring-union and swivel for glass blowpipes. (19.6)	Forster	12,740
74.7	Screw-down wedge gate and seating for converting screwed pipe-tees with other standard fittings, into a straight-way valve	Bevan	11,636
74.7	Combination of reversible paddle-wheel motor with pipe connexions and gearing for operating large screw-down water valves liable to submergence. (67.4; 83.5.) (Section 121)	Beale	13,578
	Group 75.—Abrading and Polishing.		
75.2	Grinding both edges of blades; double wheels with coned rims and interposed spring	Dreadon	12,645
	Group 78.—Structural Hardware.		
78.4	Lock nut; serrated base on spring-tongue detent washer	Haag	12,459
78.7	Ships' scuttles, &c., with elastic conical metal packing rings instead of rubber; many designs. (91.2.) (Section 121)	Preston	12,795
78.8	Door stop; vertical spring bolt with padded foot lifted by link and fly-over handle	Sanderson	11,012
78.9	Spring-clip bracket and double hook, for hanging clothes drying rails from mantel shelf. (25.6.) (Section 121)	Fenton	12,583
	Group 79.—Paints, Adhesives, &c.		
79.3	Adhesive coating for belt pulleys; dextrine and silicate of soda, &c. (62.7)	Favard	10,673
79.4	Cementing vamp edges, &c.; rotary brush with guide disk and pocket-roller feeder. (44.5.) (Section 121)	Lautenschlager	13,202
	Group 81.—Buildings, Streets, Fencing.		
81.2	Hollow ferro-concrete walls moulded horizontally with tapered cavity, and lifted on the footings after setting. (81.5)	Baker	11,002
81.2	Tubular core or centering blocks in concrete floors. (Section 121) ..	Ferrand	11,813
81.4	Roofing material; tar cloth treated with alum before, and with sand and lime wash, &c., after, tarring. (41.9; 88.4)	Bosch	11,106
81.4	Diagonal design for ribbed and guttered roof tiles. (18.5)	Whiter	11,993
81.5	Securing window and door frames to hollow ferro-concrete walls by lining boards and fillets. (81.2)	Baker	11,002

Class.	Subject.	Name.	Number.
	Group 83.—Waterworks.		
83.1	Pressure water softener; by-pass chamber for reagent; settling vessel and filters	Lajoie	12,889
83.5	Combination of reversible paddle-wheel motor with pipe connexions and gearing for operating large screw-down water valves liable to submergence. (67.4; 74.7.) (Section 121)	Beale	13,578
	Group 85.—Mining.		
85.4	Control plug-tap for hammer drills with compressed air feed column; air-pressure support for plug; position stops and spring checks ..	Taylor	12,464
85.4	Control plug-tap for hammer drills with air pressure feed column; spring support for plug; position stops and spring checks ..	Taylor	12,465
85.4	Telescopic feed column for hammer drill; extension pin locked by cotter chuck. (85.8)	Taylor	12,466
85.8	Telescopic feed column for hammer drill; extension pin locked by cotter chuck. (85.4)	Taylor	12,466
85.8	Combined casing and brace for supporting pneumatic hammer tools; two patterns	Prellwitz	12,467
	Group 86.—Sanitation.		
86.3	Earth closet; coupled hinged seat and spring foot board operate trap doors under the seat hopper; two designs	Malley	12,555
	Group 87.—Medicine.		
87.7	Fanlight holder; smooth rack-rod gripped by one or two friction detent plates in clutch box; two operating cords	Pilcher	11,146
	Group 88.—Salvage, Accidents.		
88.2	Fire alarm circuits; ceiling switch operated by fusible diaphragm; two designs	Castle	12,531
88.4	Fireproof fabric; tar cloth treated with alum before, and with sand and lime wash, &c., after, tarring. (41.9; 81.4)	Bosch	11,106
	Group 89.—War.		
89.5	Recording target; separate paper target surfaces on rolled band; electric recording target at firing point. (Section 121)	Rose	12,324
	Group 90.—Wind and Flying Machines.		
90.7	Pumping windmill:—(1) Quick return by crank and slotted lever. (2) Pump rod leverage shifted by vertical governor vane, either free or locked by detents. (3) Quadrant mangle-rack replacing crank action. (4) Parallel flow wind wheel; vanes in radial tension. (60.3; 61.9.) (Section 121)	Murnane	13,090
	Group 91.—Ship Building.		
91.2	Ships' scuttles, &c., with elastic conical metal packing rings instead of rubber; many designs. (78.7.) (Section 121)	Preston	12,795
	Group 92.—Marine Propulsion.		
92.6	Twin-boat with central paddle wheel; pedal-crank and chain gear on central frame; stern rudder coupled to bow wheel in front fork; ground rollers. (92.8.) (Section 7, *see* N.S.W. 13,702/*03*) ..	de Sers	11,302
92.8	Twin-boat with central paddle wheel; pedal-crank and chain gear on central frame; stern rudder coupled to bow wheel in front fork; ground rollers. (92.6.) (Section 7, *see* N.S.W. 13,702/*03*) ..	de Sers	11,302

Class.	Subject.	Name.	Number.
	Group 93.—Road Vehicles.		
93.3	Reducing vibration in dray brakes by cord and pulley connexion ..	Styles	12,804
	Group 94.—Cycles.		
94.3	Swinging handle bar with jamming lock; capstan for brake cord; rubber packed handles. (62.7)	Mead	12,518
	Group 97.—Wheels.		
97.89	Cover of double leather, with flat tread built-up of leather and metal rings on edge, riveted together. (Section 121)	Bird	13,392
	Group 99.—Signalling.		
99.7	Electrically connected thermometer; screw adjusted contact; bulb to collect mercury and close circuit if glass brakes. (00.7; 29.7) ..	Westneat	12,639

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Vol. 6, 1907, viii + 848 pages; 50 Nos.
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Vol. 10, for 1909, in progress.

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Vol. 9, 1908, in progress—
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,, B, Names Issued 19 Jan., 1909
,, C, Classification . .. ,, 26 Jan., 1909
,, D, Numerical
,, E, States Proceedings

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NOTICE TO INVENTORS. The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some inventors imagine they can save money by preparing their own Specifications, &c. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & HASSEL,** a firm of standing and experience.

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MR. T. C. ALLEN, Registered Patent Attorney & Consulting Mechanical Engineer, Begs to notify his many clients and friends that he has dissolved partnership with Mr. Arthur Griffith (late Griffith & Allen) and will continue to practise in his own name at AUSTRALIAN MUTUAL FIRE INSURANCE BUILDINGS,

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Australian Official Journal of Patents.

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Copy must be submitted to the Commissioner of Patents, Melbourne, for approval, and be forwarded to the Government Printer, Melbourne, not later than the Thursday preceding the day of issue.

The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 10.] 16TH MARCH, 1909. [No. 10.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Statistics and Indexes, 1908	185
Payment of Acceptance and Sealing Fees ...	185
Commonwealth—	
Applications Received	186
Provisional Specifications Accepted ...	189
Complete Specifications after Provisional ...	189
Applications (Prov.) Lapsed	189
Applications Abandoned, &c.	190
Assignments Registered	191
Licence Registered	191
Amendment Made	192
Complete Specifications Accepted ..	192
Illustrated Notes	192
Commonwealth—*continued.*	Page
Specifications open to Public Inspection before acceptance	198
Printed Specifications Published	199
Letters Patent Sealed	201
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed ...	202
Victoria—	
Renewal Fees Paid	203
South Australia—	
Renewal Fees Paid	203
Western Australia—	
Assignments Registered...	204

NOTICES.

Vol. 9.—Statistics and Indexes, 1908.

With this number Part D, Commonwealth Numerical Index to Proceedings during 1908, is issued in a green cover.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.3023.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 4th to 10th March, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 4th March.

13,917. *Prov.* Albert Edward STAHL, Barkly-street, Ararat, Vic., furniture warehouseman,

"Safety window fastener."

13,918. *Prov.* Thomas DALGLISH, "Alma," 145 Nelson-road, Albert Park, Vic., contractor,

"Ricochet (rik'o-sha)."

13,919. *Prov.* Ronald John Livingstone HILDYARD, 103-105 Queen's Bridge-street, South Melbourne, Vic., engineer,

"Improvements in the bodies of wagons or vehicles."

13,920. *Prov.* Howarth William BARTRAM and George Herbert HOPE, trading as J. BARTRAM AND SON, 19 King-street, Melbourne, Vic., manufacturers and importers, *assignees of* Charles Herbert CLEMESHA, *act. inv.*, clerk, and Gustavus DAHLGREN, *act. inv.*, engineer, both of No. 19 King-street, Melbourne, Vic.,

"An improved centrifugal milk cleaner."

13,921. *Prov.* Arthur Sydney TANGE, of Standard Insurance Co., Wellington, N.Z., accountant, and Peter ELLIS, 81 Brougham-street, Wellington, N.Z., engineer,

"A new game."

13,922. *Comp.* Ernest Clement BROWNING, *act. inv.*, 140 Crown-street, Sydney, N.S.W., mechanic, and Albert Ernest PARKER, *assignee*, 107 Pitt-street, Sydney, N.S.W., commission agent,

"An improved cow bail."

13,923. *Prov.* Emanuel SOLOMON, 643 Dowling-street, Moore Park, N.S.W., clothier,

"An improved means of and method of indicating the approach of one railway train to another upon the same set of rails."

13,924. *Prov.* Louis Vincent DIAMANTI, General Post Office, Sydney, N.S.W., cabinetmaker,

"Diamanti's refrigerating sideboard."

Friday, 5th March.

13,925. *Prov.* Hugh Victor MCKAY, Sunshine Harvester Works, Sunshine, Vic., machinery merchant,

"Improvements in combined or stripper harvesters."

13,926. *Comp.* Charles Cheers WAKEFIELD, 27 Cannon-street, London, E.C., Eng., merchant,

"Improvements in or relating to the treatment of calcium carbide."

13,927. *Prov.* Charles Perry FORWOOD, Hindley-street, Adelaide, S.A., engineer,

"Improvements in discharge outlets for grinding pans and the like."

13,928. *Prov.* George Thomas SIMMONDS, farmer, c/o J. B. Docker, "Myrhee," Wangaratta, Vic.,

"Breeching brake."

13,929. *Comp.* William HUMPHREYS, 57 High-street, North Sydney, N.S.W., engineer,

"Improved method of and apparatus for conveying power."

Applications received, 4th to 10th March—*continued.*

13,930. *Comp.* William Humphreys, 57 High-street, North Sydney, N.S.W., engineer,

"An improved variable speed gear especially adapted for use in motor driven vehicles."

13,931. *Prov.* John William Miller, engineer, and James Robert McKerihan, storekeeper, both of Barker-street, Casino, N.S.W.,

"The Miller-Mac butter cutter."

13,932. *Prov.* Arthur Sydney Tange, accountant, c/o Messrs. A. Tange & Co., 58 Pitt-street, Sydney, N.S.W.,

"Metal clip, attached to watch chains and guards or other uses."

13,933. *Comp.* Henry Carter, *act. inv.*, "Royston," Alma-avenue, Marrickville, N.S.W., manufacturing stationer, and David Colin Coombes, *assignee*, 14 Clara-street, Newtown, N.S.W., painter,

"Improvements in safety guards for lift wells."

Saturday, 6th March.

13,934. *Prov.* Isaac Hefford, Axedale, Vic., engine-driver,

"Improvements in amalgamating apparatus."

13,935. *Prov.* Albert Dondey and James Charles Testro, trading as Dondey and Testro, 274 City-road, South Melbourne, Vic., coppersmiths and plumbers,

"An improved high pressure filter."

Monday, 8th March.

13,936. *Comp.* William Packham, Mitcham, S.A., and Alex. Romily Rose, George-street, Unley Park, S.A., bee keepers,

"An improved device for extracting honey from honeycomb cappings."

13,937. *Prov.* William Carter Bray, Ella-street, Parkside, S.A., printer,

"An improved holder or frame for interchangeable cards or tickets."

13,938. *Comp.* Frederick William Margetts, 11 Bawdale-road, East Dulwich, Surrey, Eng., mechanical engineer,

"Improvements in spring wheels for vehicles."

13,939. *Comp.* Henrietta Pye Serjeant, 32 Collins-street, Melbourne, Vic., journalist; Robert Gibson, Macaulay-road, North Melbourne, Vic., managing director; and James Angus Munro, 374 Latrobe-street, Melbourne, Vic., wire merchant,

"Improvements in wire and hair mattresses and their arrangement on bedsteads for patients sick persons or invalids and for surgical purposes."

13,940. *Prov.* Benjamin Walter Benn, 32 Daisy-street, Essendon, Vic., farmer,

"Improved differential gear."

13,941. *Comp.* Franz Aders, Friedrich-strasse 185, Berlin, Germany, merchant,

"Improvements in selective mechanism for actuating types, symbols, signals and other objects."

13,942. Joseph Taylor, managing director of the Hat Manufacturer's Supply Company Limited, Chestergate, Stockport, Cheshire, Eng.,

Application under Sec. 121.

[Date applied for 8th May, 1908, being date of application in Great Britain, No. 10,005/*08*.]

"Improvements in hats and sweat bands or leathers therefor."

13,943. *Comp.* James Alfred Crane, Montargis House, Hamstead-road, Handsworth Wood, Staffordshire, Eng., manufacturer,

"Improvements in metallic bedsteads."

13,944. *Comp.* Wylie Gemmel Wilson, 29 Langside-road, Glasgow, Scot., engineer,

"Improvements in cooling apparatus."

13,945. *Prov.* Francis Bartholomew Cronin, 56 Hambleton-street, Middle Park, Vic., inventor,

"Improved process for the extraction of metals from crude ore concentrates tailings slimes and the like after being pulverised."

13,946. *Prov.* Edward Hetherington, St. George-street, off Ipswich-road, South Brisbane, Qld., plumber,

"An improved method for cutting coal or any like matter by oil or gas motors."

Applications received, 4th to 10th March—*continued.*

13,947. *Prov.* Henry Livingstone SULMAN, 44 London Wall, London, E.C., Eng.; Henry Howard GREENWAY, 62 London Wall, London, E.C., Eng.; and Arthur Howard HIGGINS, Broken Hill, N.S.W., all metallurgists,

"Improvements in or relating to the concentration of ores."

13,948. *Comp.* John Crow McGEORGE, Princes-street, Dunedin, N.Z., engineer,

"Alternate tail chute for gold dredges and the like."

Tuesday, 9th March.

13,949. *Prov.* Michael John DEVLIN, Fowler-street, Zeehan, Tas., engine-driver,

"An improved adhesive composition specially adapted for securing rubber to leather, rubber, iron, wood or other material or leather to leather."

13,950. *Prov.* Thomas Frederick BROWN, 16 Linda-street, Coburg, Vic., cabinet-maker,

"Improvements in the construction of chairs and the like."

13,951. *Comp.* Charles Edward MARTIN, Durban, Natal, S.Af., engineer,

"Improvements in or relating to rotary pumps or the like."

13,952. *Comp.* Charles ANGENOT, 15 Place de Meir, Antwerp, Belgium, insurer,

"Holder for socks."

Wednesday, 10th March.

13,953. *Prov.* Herbert Leslie Munna CROSSING, Keelendi, Pilliga, N.S.W., grazier,

"An improved wind-operated butter churn."

13,954. *Prov.* Fritz Leo ANDERSTEDT, 103 Somerset-street, Richmond, Vic., mechanic, and Gustaf Leonard ERICKSON, 520 Sydney-road, Brunswick, Vic., watchmaker,

"Convertible folding bed and table."

13,955. *Prov.* William John McLENNAN, Gladstone House, Victoria-street, North Melbourne, Vic., gentleman,

"A new or improved anaesthetic or the like."

13,956. *Prov.* Alexander GILLIES, 2 Brown-street, Heidelberg, Vic., dairyman,

"Improved teat cup."

13,957. *Prov.* Alexander GILLIES, 2 Brown-street, Heidelberg, Vic., dairyman,

"Improved teat cup."

13,958. *Prov.* Charles Cornelius PALTRIDGE, 75 King William-street, Adelaide, S.A., inventor,

"An improved automatic room register advertising device and letter rack."

13,959. *Prov.* Philip Charles Holmes HUNT, 30 Anderson-street, South Yarra, Vic., gas engineer,

"Means for receiving coke from gas retorts, and delivering or directing such coke into a furnace or alternatively to a conveyor or trucks for depositing it where required."

13,960. *Prov.* Philip Charles Holmes HUNT, 30 Anderson-street, South Yarra, Vic., gas engineer,

"Apparatus for use in storing coal or coke."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

12,407. Cornell, J., & Morgan, A. C.
13,201. Bang, H. S.
Sanitary pad for closet seats.
13,230. Goodwin, E.
13,364. Hills, J. L.
13,365. Hills, J. L.
Spark arrester.

1909.

13,372. Shaw, E.
Improved detachable reservoir automatic supply drinking fountain for poultry yards, aviaries, & bird-cages.
13,572. Garratt, J. H., Esdaile, E. W., & Slater, J. H.
13,586. Smith, H. J. & W.
13,587. Clark, G.
13,608. Jelbart, F. S.
13,637. Whitlock, W.
13,638. Pask, A.
13,643. Searell, T.
Bushman's gridiron.
13,659. Pickering, J. H.
Differential eccentric.
13,662. Dannhardt, F. H.
13,670. Lumsden, T. P.
13,674. Harrip, R.
13,683. Pemberton, P., & Staubli, J., *assignee.*
13,684. Wilson, J.
13,691. Thew, H. E.
13,696. Anderson, J. McI.
13,709. Rigg, A. H., & Mitchell, D. W.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,446. Arthur Reginald Angus, Barry-street, Neutral Bay, N.S.W., solicitor,

"Improvements in and relating to devices for preventing collisions between railway trains 'A'." 8th Mar., 1909.

11,473. George Thomas Beckham, Toora, Vic., miner,

"Improved tin and gold saving apparatus." 8th Mar., 1909.

11,491. William Bradley, engineer, late of 346 Elizabeth-street, Melbourne, Vic., but now care of Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved portable acetylene lamp." 4th Mar., 1909.

11,679. Charles Brache, Coblenz Vineyard, Wahgunyah, Vic., vigneron,

"An improved means for securing metallic tyres upon the rims of vehicle wheels." 5th Mar., 1909.

11,680. John McKay, 103 Creek-street, Bendigo, Vic., engine-driver,

"Improvements in beds and bedsteads for the use of invalids." 9th Mar., 1909.

11,840. George Cowdery, "Llanfair," Albert-street, Burwood, Sydney, N.S.W., civil engineer,

"Improved rail joint for railways." 5th Mar., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38

1908.

11,415. Williams, A. H.
11,416. Trewick, P., & Bowser, E. A.
11,417. Lennard, Dorothy
11,419. Darlow, G. P.
11,420. Meyers, E.
11,423. Hart, L. H., & Bones, G. J.
11,430. Phillips, S. J.
11,431. Miznhara, G., & Hayward, H. J.
11,432. Brown, Mildred & Ellen A., & Rough, W. P.
11,433. Hansen, C.
11,435. Thurlow, E. W.
11,437. Bainbridge, W. A.
11,439. Alkemade, P. V. L.
11,441. Maxwell, F. H.
11,442. Capper, A., & Godfrey, J. R.
11,443. Kennedy, E. E.
11,444. Drysdale, J.
11,445. Gwynne, A. P.
11,449. Dawson, W.
11,450. Falkiner, R.
11,452. Priest, S.

Applications Abandoned, Withdrawn, &c.

1907.

10,173. *Comp.* (*Lapsed.*) Marion Williams PITNER, 185 Lake-street, Chicago, Cook, Ill., U.S.A., manufacturer,

"Improvements in lamps of the vapour burning type."

10,255. *Comp.* (*Lapsed.*) John EVERT, High-street, Charters Towers, Qld., engine-driver,

"Improvements in school exercise books and other books."

10,264. *Comp.* (*Lapsed.*) Sydney Barr YEATES, Brown Hill, near Kalgoorlie, W.A., miner,

"A process for recovering metals from their ores by oil mixed with other substances."

10,272. *C.a.P.* (*Lapsed.*) George John MATSON, *act. inv.*, 47 Margaret-street, Launceston, Tas., incapacitated, and John MURPHY, *assignee*, 25 Wilmot-street, Launceston, Tas., marine dealer,

"Ship's reversible double life-boat in conjunction with life-boat cradle."

10,325. (*Lapsed.*) George William HOLMES, *A.M.I.E.*, 35 Prospect Hill, Walthamstow, Essex, Eng.,

Application under Sec. 121.

[Date applied for 6th Dec., 1906, being date of application in Great Britain, No. 27,786/06.]

"Improvements in hospitals."

10,346. *Comp.* (*Lapsed.*) Patrick KAVANAGH, blacksmith, care of Mr. W. Boyle, 111 King William-street, Adelaide, S.A.,

"The mill wheel clothes washing machine."

10,377. *C.a.P.* (*Lapsed.*) John Frederick BURROWS, Thornhill-street, Young, N.S.W., ironmonger,

"A rabbit burrow fumigator."

10,384. *C.a.P.* (*Lapsed.*) George Edward PULLEN, Helidon, Qld., farmer and dairyman,

"An improved washer and wringer."

10,390. *C.a.P.* (*Lapsed.*) John GRIFFIN, hotelkeeper, and Kinley Tener GALBRAITH, chemist, both of High-street, Heathcote, Vic., *assignees of* William WILSON, *act. inv.*,

"Improvements in ventilation of mines and such like."

10,407. *C.a.P.* (*Lapsed.*) Herbert Valentine HAYNES, Wynter-street, Taree, Manning River, N.S.W., licensed surveyor,

"A reversible swingle-tree."

10,408. *C.a.P.* (*Lapsed.*) Herbert Valentine HAYNES, Manning-street, Taree, N.S.W., lisensed surveyor,

"A dirigible transome-plate."

1908.

12,216. *Comp.* (*Lapsed.*) John Franklin BRADY, 45 Fulton-street, Chicago, Cook, Ill., U.S.A., mechanical engineer,

"Turbines."

13,009. *Comp.* (*Withdrawn.*) Armand DEPERDUSSIN, 26 Avenue de Villiers, Paris, France, gentleman,

"Improvements in and relating to optical toys."

Assignments Registered.

1904.

180. "Improvements in apparatus for applying cement to soles."

Assignment of the whole *by* George Lorenzo Rollins *to*

United Shoe Machinery Company. Dated 25th Sept., 1908. Registered 4th Mar., 1909.

1868. "An improved method of preventing and curing consumption and other diseases."

Assignment of the whole *by* John Albert Pugh and Albert Ernest Kitchen *to*

The Pugh Rarified Air Consumption Cure Company Limited. Dated 9th Feb., 1909. Registered 27th Feb., 1909.

1906.

5818. "An improved railway-track weed and grass destroyer."

Assignment of the whole *by* Nicholas Barnewell *to*

Nicholas Barnewell, Peter Minehan, and William Duncan. Dated 12th Feb., 1909. Registered 4th Mar., 1909.

1907.

9144. "An improved method of regenerating waste or scrap leather."

Assignment of the whole *by* Hyman Lewis *to*

Australian Leatherubber Company Limited. Dated 15th Dec., 1908. Registered 4th Mar., 1909.

10,270. "Improvements in fly-proof and other like screens for windows."

Assignment of the whole *by* Frederick Davison *to*

William Kemp and Henry Sheehan. Dated 18th Feb., 1909. Registered 4th Mar., 1909.

1908.

11,637. "Improvements in and relating to the regulation of dynamo electric machinery."

Assignment of the whole interest of Alexander Henry Law *to*

Hon. Charles Algernon Parsons. Dated 21st Dec., 1908. Registered 4th Mar., 1909.

Licence Registered.

1906.

5703. "Improvements in apparatus for operating stamper batteries drop hammers and the like."

Licence granted *by* Robert Taylor *to*

The Taylor "Excelecon" Public Crushing and Gold Mining Company Limited, for the State of Western Australia but not elsewhere, for the unexpired term of patent. Dated 12th Jan., 1909. Registered 4th Mar., 1909.

Amendment Made.

1908.

11,710. 12 June. Georg Christian STOLTZ, *applicant*, of 2 Bridge-street, Sydney, N.S.W. In pursuance of leave granted on the 17th Feb., 1909, the above-numbered Specification has been amended in the manner set forth in p. 12 of Vol. 10 of this *Journal*, dated 12th Jan., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,984. Millane.
10,994. Sartain.
11,006. Landon.
11,043. Lundberg.
11,201. Fenwick.
11,413. Lancaster.
11,777. Seehausen.
12,509. Collins.
12,675. McMeekin.
12,768. Black.
12,778. Sanborn.
12,783. Olsen.
12,812 Wallder.
12,816. Church.
12,824. Tillie.
12,900. Schmatolla.
12,996. Murray.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

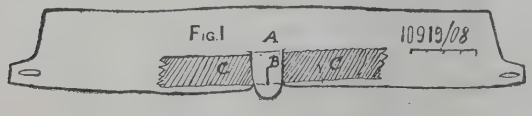
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

10,919. 25 Feb. C. RYAN, New South Wales.

Class 43.6.

Collars, as 7963/07: Tab containing stud-hole at back of collar to hold tie.

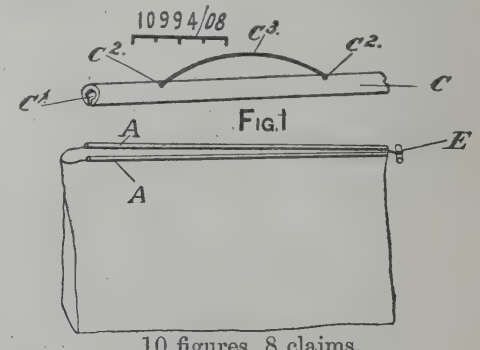


3 figures, 3 claims.

10,994. 7 Mar. H. J. SARTAIN, Victoria.

Classes 29.3; 57.8.

Water bag: Top edges formed of wire, cane, or cord to form a lip for a removable top.



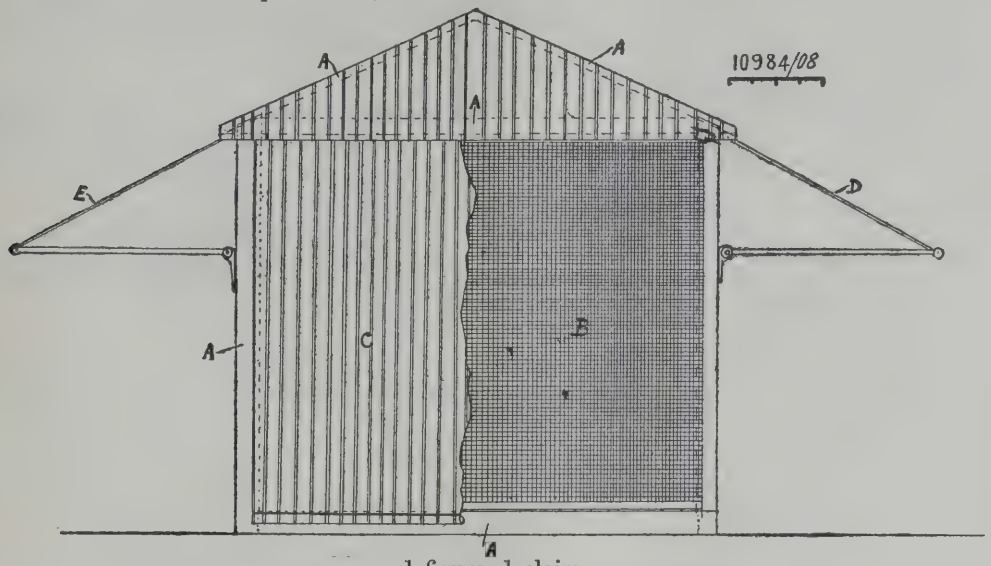
10 figures, 8 claims.

Complete Specifications Accepted—*continued.*

10,984. 5 Mar. Florence A. Millane, Victoria.

Class 81.3.

Insect and weather proof tent; wire cloth and canvas walls.

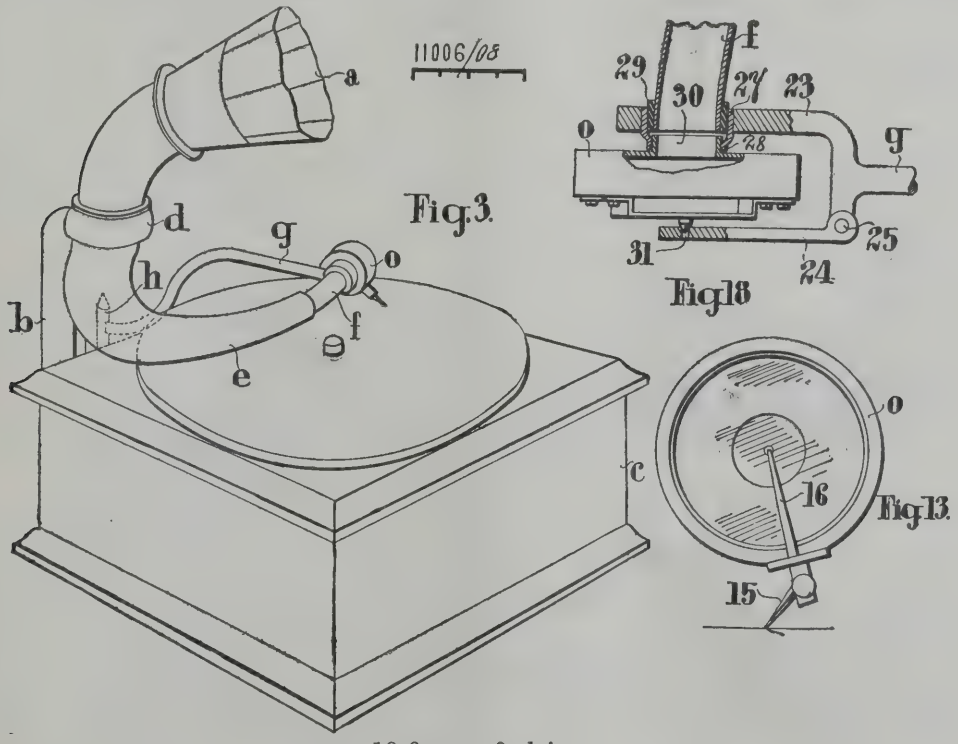


1 figure, 1 claim.

11,006. 9 Mar. J. M. Landon, England.

Class 01.7.

Gramophone: Telescopic or accordeon joint between horn and reproducer; front and back support of sound box; stylus holder.



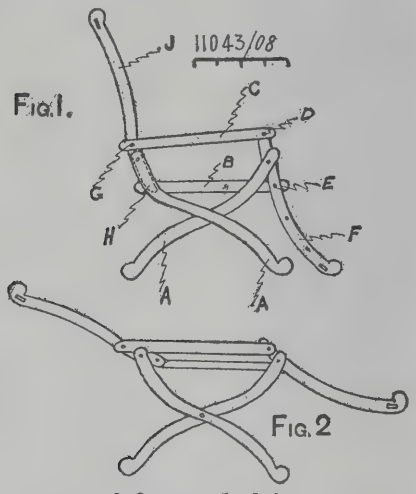
18 figures, 9 claims.

Complete Specifications Accepted—*continued.*

11,043. 13 Mar. C. LUNDBERG, New South Wales.

Class 45.1.

Folding and reclining chair: The cross legs **A A** have two parallel rails on each side forming seat **B** and arm rests **C**. They are connected at **D** and **E** to the leg **F**, and to the back rest **J**.

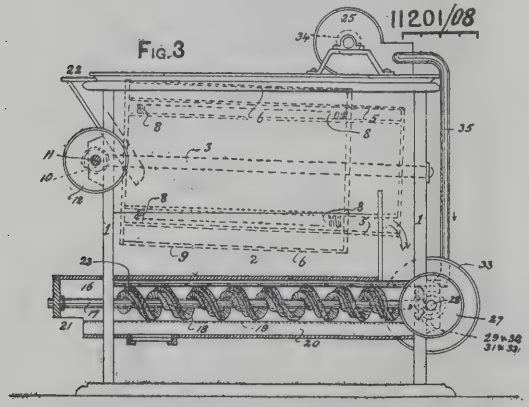


2 figures, 1 claim.

11,201. 6 Apr. R. H. FENWICK, South Australia.

Classes 34.8; 25.8; 11.3.

Removing starch from moulded confectionery. Revolving sieves, blower, brushes, and double-threaded-screw-brush conveyor.

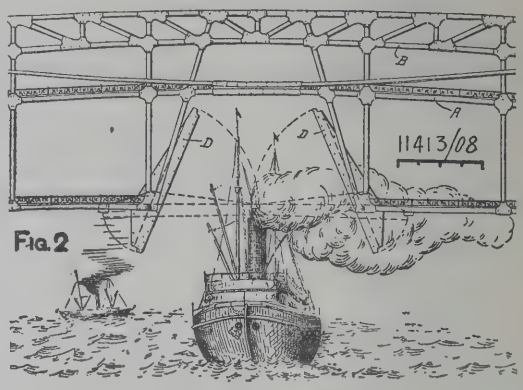


3 figures, 8 claims.

11,413. 4 May. H. J. LANCASTER, New South Wales.

Class 81.7.

Bascules on low-level deck of cantilever or suspension high-level bridge, to provide for low-level traffic.

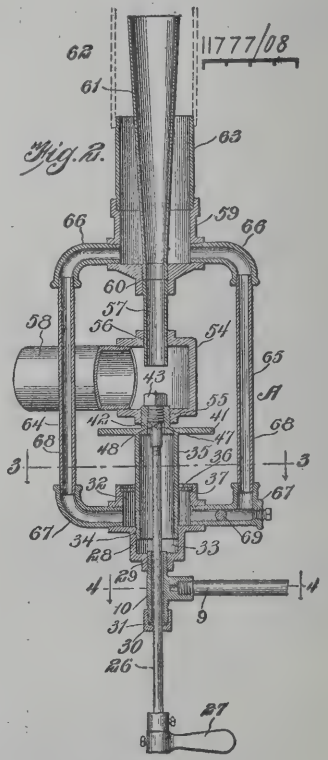


2 figures, 2 claims.

11,777. 19 June. O. J. SEEHAUSEN, Illinois, U.S.A.

Classes 21.3; 23.3.

Oil vaporizer and mixer for lighting: Double walled casing (shown in another figure). Part of resultant gas feeds auxiliary vaporizing burner **32**.



6 figures, 12 claims.

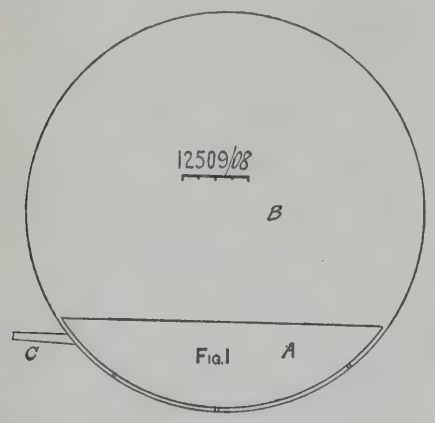
Complete Specifications Accepted—*continued.*

12,509. 15 Sept. G. P. Collins, South Australia.

"A device for preventing urine mixing with excreta in the present pan system."

Class 86.3.

Sanitary pan: Tray **A** having discharge pipe **C** hooked on to pan **B** to separate urine from excreta.



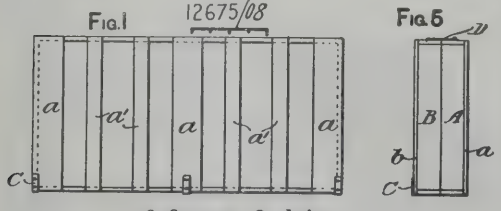
2 figures, 1 claim.

12,675. 5 Oct. W. Burrell, H. G. Nevill, and J. Moore (J. P. McMeekin, Victoria).

Sec. 7. Vic. 19,320.

Classes 35.3; 57.2.

Rabbit crate: Two trays having closed ends, slatted, hinged together so that trays will turn back to back.

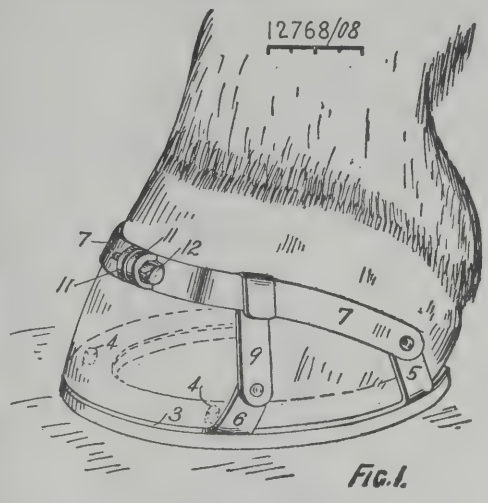


9 figures, 3 claims.

12,768. 13 Oct. E. S. Bailliere (H. W. Black, New South Wales).

Class 39.3.

Nail-less horse-shoe: Metal bands and lugs, and renewable tread.

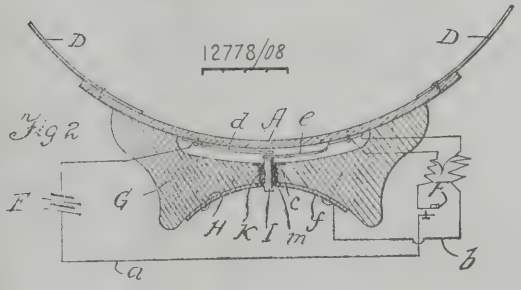


2 figures, 4 claims.

12,778. 14 Oct. J. P. Sanborn, Ohio, U.S.A.

Classes 37.1; 87.8.

Electric appliance for stallions.



2 figures, 3 claims.

12,996. 7 Nov. J. A. Murray, Victoria.

Class 83.1.

Preventing incrustation in boilers: A mixture of crushed wattle bark, caustic soda, and molasses is injected with the feed water.

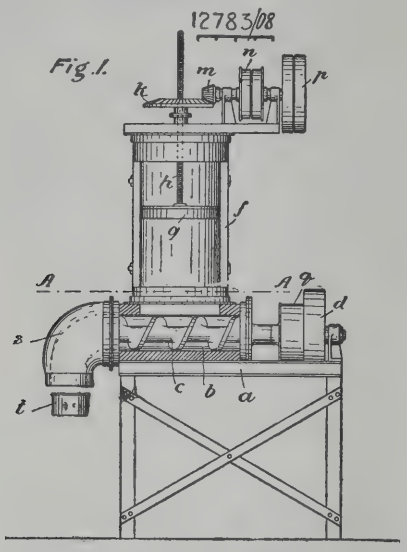
No drawing, 3 claims.

Complete Specifications Accepted—*continued.*

12,783. 14 Oct. R. M. WASSARD (A. OLSEN, Denmark).

Classes 36.8 ; 57.4.

Butter, &c., filling machine : Butter pressed from cylinder **f** by screw plate **g** into worm **c** which feeds through spout **s** into receptacle **t**.



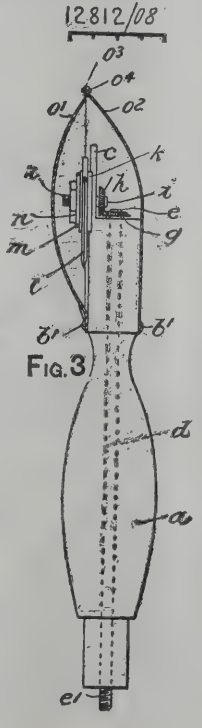
2 figures, 2 claims.

12,812. 19 Oct. C. E. WALLDER and H. M. ASHTON, Victoria.

Classes 35.1; 87.4.

Hand supported circular knife or saw **L** operated through bevel gearing **H G** by the shaft **E E¹** attached at **E¹** to flexible shaft, for skinning cutting up, &c., and surgical operations.

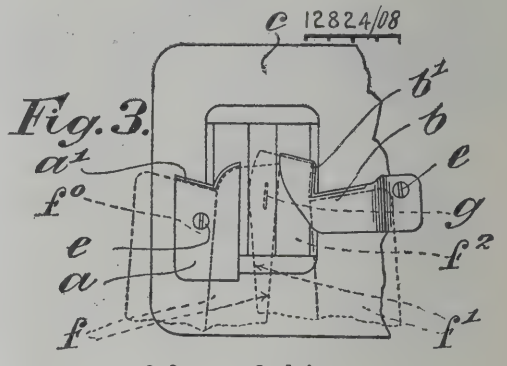
6 figures, 5 claims.



12,824. 20 Oct. M. TILLIE, Ireland.

Classes 42.3 ; 43.1.

Guides **a** and **b** for positioning collars, &c., in button-hole machines.



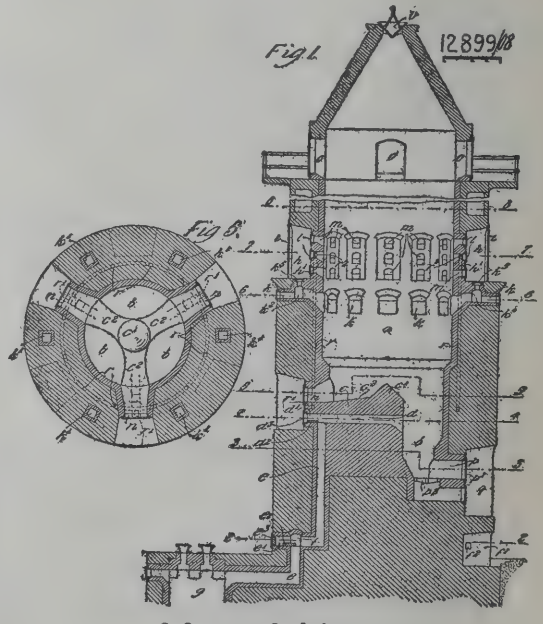
3 figures, 2 claims.

12,900. 29 Oct. F. OAKDEN (E. SCHMATOLLA, England).

Classes 16.30 ; 18.3.

1. Burning limestone : The material is subjected to the flames of a regulated mixture of furnace and producer gas and air in a vertical shaft kiln.

2. Lime kiln : Vertical gas fired kiln having a central shaft provided with three arc-shaped chambers at the bottom formed by three separate curved bridges.



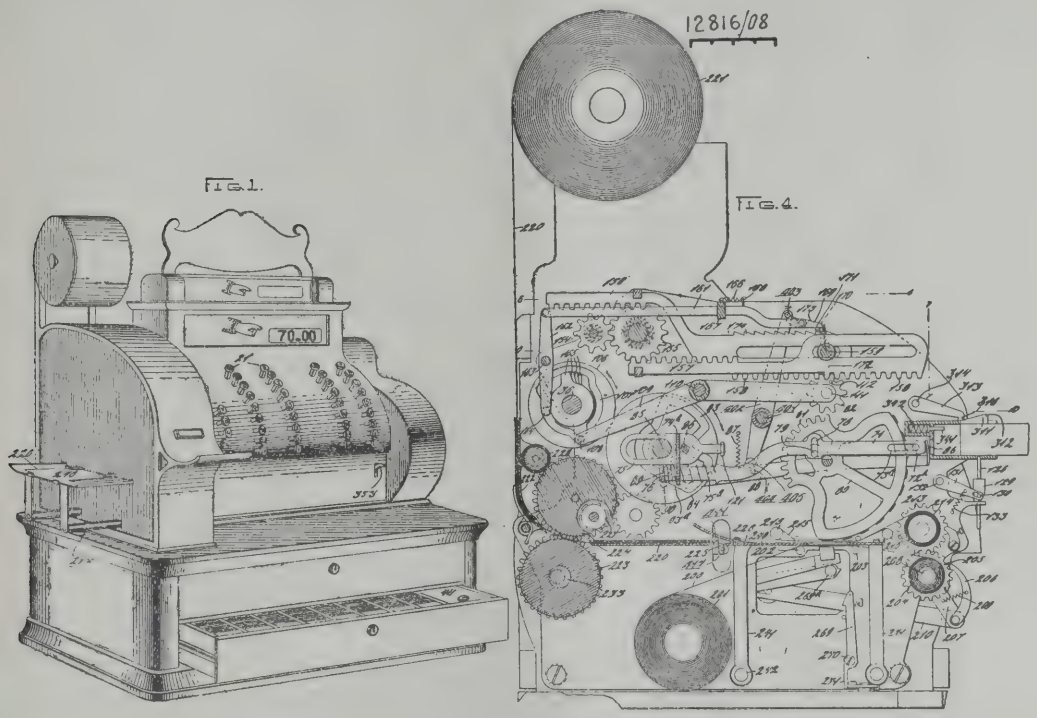
8 figures, 2 claims.

Complete Specifications Accepted—*continued.*

12,816. 20 Oct. National Cash Register Company (E. S. Church, United States of America).

Classes 55.5 ; 56.2.

Cash and credit registers : Plurality of denominational and identifying printing devices ; entry retaining devices ; controlling and registering mechanism ; transfer devices ; subtracting and printing mechanism ; zero stop register ; locking devices ; special drawer and proprietor's counter.



20 figures, 31 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,121. Albert Edward WADE, Axeholme, Ashburn-grove, Heaton Norris, Stockport, Lancashire, Eng., manager,

Application under Sec. 121.

[Date applied for 12th March, 1908, being date of application in Great Britain, No. 5583/*08*.]

"Improvements in collapsible boxes."

1909.

13,777. Dr. Otto ROHM, Eisenbahn-strasse 7/8 Esslingen, Germany, manufacturing chemist,

Application under Sec. 121.

[Date applied for 10th Mar., 1908, being date of application in Great Britain, No. 5377/*08*.]

"Process for the preparation of hides in the manufacture of leather."

13,900. Richard BOWEN, Evesham-road, Cheltenham, Gloucestershire, Eng., cement specialist and engineer,

Application under Sec. 121.

[Date applied for 12th Mar., 1908, being date of application in Great Britain, No. 5574/*08*.]

"Apparatus to be employed in building walls of concrete or the like."

Printed Specifications Published.

Vol. 25 comprises Applications 4800 to 4999, all of which are in the press and in a forward state.

Vols. 26 to 43, comprising Applications numbered from 5000 to 8599 are now complete with title pages, &c.

Vols. 44 to 45 comprise Applications from 8600 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4662. E. Phillips (Werner.) *Treating flour.* Classes 07.9; 26.1; 34.3.

4665. J. Cowan. *Water tube boilers.* Classes 17.3; 63.4.

4666. C. A. F. W. Leunig. *Gold saver.* Class 12.1.

4669. J. McGuire. *Cooking oven.* Class 24.2.

4673. A. W. Hayes. *Irrigating plants.* Classes 31.9; 74.7.

4675. T. K. Finnigan. *Saddle.* Class 39.8.

4676. W. C. Page. *Securing vehicle wheels.* Class 93.3.

4678. Victorian Forage Pressing Co. Pty. Ltd. (Ferrier). *Forage press.* Class 57.3.

4679. G. Leach. *Butter cooler.* Class 29.3.

4685. A. R. Angus. *Railway brake gear.* Classes 96.6; 98.6.

4747, 4800-3, 4875. Void applications.

1906.

4946, 4970, 4973, 4976-84. Void applications.

1907.

8400 to 8599. Vol. 43. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:— 8404, 8423, 8460-3, 8467, 8474-8, 8480-3, 8486-7, 8511, 8526-7, 8537-9, 8546, 8560, 8568, 8596-8.

9180. E. Frost. *Riding saddles.* Class 39.8.

9182. F. L. Adams. *Corn husker.* Class 32.6.

9252-5, 9286, 9359, 9468. Void applications.

9489. S. Lake. *Steam and combustion engines.* Classes 60.9; 63.1; 66.2; 66.5.

9494-9. Void applications.

9512. W. G. Landells. *Cattle branding.* Classes 23.3; 37.4.

9550. Annie Gunn. *Sealing jars, &c.* Class 57.5.

9619. Manufacturers Machine Co. (Stewart). *Pad covers.* Classes 44.5; 75.2.

9634. J. J. Keppel. *Flax strippers.* Classes 40.1; 61.5.

9657. H. V. Hampton. *Circular saws.* Classes 60.9; 80.5.

9719-21. Void applications.

9766. W. H. Cornford. *Military game.* Classes 53.1; 53.7.

9812. Void application.

9819. P. A. Roberts. *Telegraphic coding.* Class 99.6.

Printed Specifications Published—*continued.*

1907.

9924. A. E. JONES. *Washing acetylene gas.* Classes 21.5; 21.80.

10,017-9. Void applications.

10,022. C. N. COLLISON (ZERNING). *Electric lamp filaments.* Classes 06.4; 08.3; 08.6.

10,044. T. W. SANDS. *Sheep shears.* Class 37.6.

10,418. BAY STATE METAL WHEEL CO. (TURNER). *Folding carriages.* Class 93.2.

10,462. SOCIETA GENERALE PER LA CIANAMIDE (FRANK and VOIGT). *Nitrogen compounds.* Classes 06.8; 09.8.

1908.

10,647. BOLL and FALKINER. *Coupling for sheep shears.* Classes 37.6; 62.8.

10,665. R. H. DEUTSCHMANN. *Animal serum.* Classes 09.9; 37.1; 87.1.

10,734. G. J. WHITTAKER. *Door-stop.* Class 78.8.

11,207-8. Void applications.

11,213. E. CHARMAT. *Decanting sparkling wines.* Classes 27.1; 27.8.

11,245. C. HARRISON. *Fertilizers.* Class 31.7.

11,308. J. D. F. ANDREWS. *Furnaces.* Classes 16.2; 16.8; 17.7; 63.4.

11,321. H. G. NICHOLS. *Separating ores.* Classes 12.1; 14.7.

11,346. H. W. HARDINGE. *Disintegrating ores.* Class 10.3.

11,351. W. A. HENDRYX. *Filter.* Classes 14.7; 28.1.

11,371. A. W. SNOW. *Road or track grader.* Classes 59.9; 84.5; 95.5; 98.4.

Amended Specification.

1907.

*8590. W. H. MOUNSEY. *Linotype knifeblock, &c.* Class 50.5.

* Reprinted.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*4th March, 1909.*			
10,051	*31 Oct.	W. H. Brough ...	Eng.	Motor car springs ...	667
	1907.				
10,160	4 Nov.	C. W. Pradeau ...	Eng.	Clutch	706
	1908.				
11,875	1 July	A. J. Bartlett	Eng.	Boomerangs	441
11,944	10 July	G. H. Olding	N.S.W.	Sanitary waggon... ...	475
11,999	17 July	R. Donohue	N.S.W.	Plough potato sower ...	490
	1907.				
12,064	*3 Sept.	W. G. Wiesener ...	N.S.W.	Plumb bob	507
	1908.				
12,261	18 Aug.	H. J. & F. J. Vale ...	N.S.W.	Solid buffer heads ...	559
	1907.				
12,388	6 Nov.	O. L. Eugster	Eng.	Siphon heads	595
	1908.	*5th March, 1909.*			
12,146	5 Aug.	C. J. Coleman ...	U.S.A.	Railway signalling ...	524
12,170	7 Aug.	R. Johnstone, N. Davis, and H. F. Smith	Vic.	Musical instruments ...	581
	1907.	*6th March, 1909.*			
10,170	6 Nov.	A. J. F. de Bavay ...	Vic.	Recovering metals ...	543
10,177	6 Nov.	E. Clemens Horst Co. (Horst & Ehrhorn)	U.S.A.	Hop picker	707
		8th March, 1909.			
10,202	8 Nov.	C. G. Hurrey ...	Vic.	Sugar cane cutter... ...	725
	1908.				
12,219	12 Aug.	A. V. Leggo	Vic.	Furnace rabbles	541
		9th March, 1909.			
10,712	23 Jan.	W. W. Campbell (Murray)	U.S.A.	Convertible chair or table ...	714

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*10th March, 1909.*			
10,432	10 Dec.	H. D. Mudie	Vic.	Gold saving	683
	1908.				
10,612	8 Jan.	B. W. Benn	Vic.	Milking machines ...	683
11,412	4 May	J. L. Campbell ...	S.A.	Harrow attachment ...	303
12,590	24 Sept.	J. E. Heys	N.Z.	Egg carrier	642
12,603	26 Sept.	C. G. Hurrey	Vic.	Rotary cane cutter ...	643

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
Corrigendum.—In Vol. 10, No. 5, page 99, *cancel* the following notice :—8134. 28 Feb. G. Kyme, &c.					
	1905.				
4822	14 Dec.	H. J. R. Hemming ...	Eng.	Sterilizing foods, &c. ...	756
4848	18 Dec.	H. S. Jones (Kyle) ...	N.S.W.	Preventing fish decomposing	757
4854	19 Dec.	J. Dixon & C. Lawrence ...	Vic.	Extracting fruit juices ...	758
4894	22 Dec.	J. Bennetts	W.A.	Rotary puddler	769
4904	28 Dec.	Kate Shaw	N.S.W.	Safety razor	769

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
19,044 ...	Un. Shoe Mach. Co ...	8th Mar., 1916
19,096 ...	Un. Shoe Mach. Co. ...	25th Mar., 1916
19,098 ...	Un. Shoe Mach. Co. ...	26th Mar., 1916
19,113 ...	Brandt, F.	27th Mar., 1916
19,165 ...	Un. Shoe Mach. Co. ...	15th Apr., 1916

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

*In each case both the application and patent numbers are given thus—*7360/5464. *When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—*3787/*N.R.; or as the case may be.*

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7571/5610 ...	Un. Shoe Mach. Co.	10th Mar., 1916
7603/5635 ...	Un. Shoe Mach. Co.	27th Mar., 1916
7637/5659 ...	Un. Shoe Mach. Co.	16th Apr., 1916

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Assignments Registered.

1899.

2381. "Improvements in electrical heating and melting specially applicable to the metal pots of linotype machines."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

2757. "Improvements in linotype machines."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

2758. "Improvements in linotype machines."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

2796. "Improvements in machines for making printing bars."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

1900.

3247. "Improvements in linotype machines."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

3249. "Improvements in the matrices of linotype machines and in apparatus for applying the said improvements thereto."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

1901.

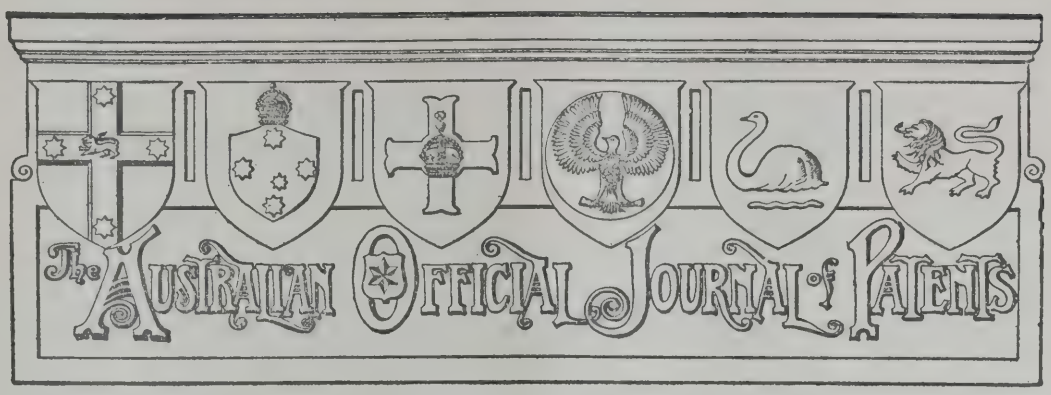
3275. "Improvements in linotype machines."

Assignment of the whole *by* THE LINOTYPE COMPANY LIMITED, in liquidation, and Edwin Lewis BOOTY, liquidator, *to*

LINOTYPE AND MACHINERY LIMITED. Dated 24th Dec., 1908. Registered 26th Feb., 1909.

GEORGE TOWNSEND,
Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—
Part A, Statistics
„ B, Names Issued 19 Jan., 1909
„ C, Classification „ 26 Jan., 1909
„ D, Numerical „ 16 Mar., 1909
„ E, States Proceedings.. ..

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

Patents Act 1903.—First Schedule.—Fees.

As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

Fees payable on and in connexion with Letters Patent in addition to those set out in the Second Schedule to the Act.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	3	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	5	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 10.] 1909. [No. 11.
(WITH SUPPLEMENT).

Tuesday, 23rd March.

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THE

Australian Official Journal of Patents.



Notices.

Applications Received, 13,961 to 14,014.

Commonwealth Proceedings.

States Proceedings.

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VOL. 10.] 23RD MARCH, 1909. [NO. 11.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Statistics and Indexes, 1908	205
Payment of Acceptance and Sealing Fees ...	205
Commonwealth—	
Applications Received	206
Provisional Specifications Accepted ...	209
Complete Specifications after Provisional ...	210
Applications (Prov.) Lapsed	211
Complete Specifications Accepted ..	211
Illustrated Notes	212
Specifications open to Public Inspection before acceptance	220
Commonwealth—*continued.*	Page
Printed Specifications Published	221
Letters Patent Sealed	222
Victoria—	
Renewal Fee Paid	223
South Australia—	
Renewal Fees Paid	224
Western Australia—	
Renewal Fee Paid	224
Tasmania—	
Renewal Fee Paid	224

NOTICES.

Vol. 9.—Statistics and Indexes, 1908.

With this number, Part E, States Proceedings—Name and Numerical Indexes, 1908, is issued in a green cover.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

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COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 11th to 17th March, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 11th March.

13,961. *Prov.* Ernest William ROBINSON, *act. inv.*, 54 Regent-street, Paddington, N.S.W., mechanic; Harold Frank HUGHES, *act. inv.*, Newland-street, Waverley, N.S.W., mechanic; and Alfred Sanford HUGHES, *assignee*, Newland-street, Waverley, N.S.W., warehouseman,

"Apparatus for destroying rabbits, rats, and the like."

13,962. *Comp.* Kenneth Douglas DUNCAN, 3 Halswell-street, Wellington, N.Z., clerk, and Alexander Gilbert HUTCHINSON, Roseneath, Wellington, N.Z., machinist,

"Improved overhead driving gear for shearing machines."

13,963. *Prov.* Edwin George BAWDEN, carpenter, c/o S. Lacey & Co., Sale,

"Improvements in valves used in pneumatic tyres on bicycles and other vehicles."

13,964. *Prov.* Coleman PHILLIPS, Carterton, Wellington, N.Z., farmer,

"A successful method of rabbit suppression by natural enemies and natural diseases."

13,965. *Prov.* William Guy HIGGS, 116 Pitt-street, Sydney, N.S.W., director,

"A new or improved method of exhibiting advertisements, pictures, oleographs, photographs, cartoons, or caricatures."

13,966. *Prov.* Henry NIVEN, Baringhup, farmer,

"Rabbit or fox trap."

13,967. *Prov.* Richard John FRY, corner of Lloyd and Bruce streets, Kensington, Vic., mechanic,

"Improvements in vehicle wheels."

13,968. *Prov.* Margaret VOGT, 41 Brunswick-road, Brunswick, Vic., married lady, *assignee of* Leslie Thomas VOGT, *act. inv.*,

"An improved cork finishing machine."

13,969. *Prov.* Margaret VOGT, 41 Brunswick-road, Brunswick, Vic., married lady, *assignee of* Leslie Thomas VOGT, *act. inv.*,

"Improvements in cork cutting machines."

13,970. *Prov.* Thomas TALBOT, McMahon's Creek, Vic., miner,

"Improvements in appliances for cow milking."

13,971. *Prov.* Emanuel DE BEAUPUIS, musician, care of T. C. Allen, 127 King-street, Sydney, N.S.W.,

"Improvements in buckles for ladies' belts."

13,972. *Prov.* George Edward KINNEAR, 26 Gardiner's-avenue, Marrickville, N.S.W., civil engineer,

"Smoke prevention or absorption."

13,973. *Prov.* George Dick MEUDELL, Whitehall, Bank-place, Melbourne, Vic., sharebroker, *assignee of* Charles Bell TEASDALE, *act. inv.*, Northcote, Vic., assayer,

"Improvements in compositions for and relating to fuel manufacture."

Applications received, 11th to 17th March—*continued.*

13,974. *Comp.* Winfield Scott Potter, Mahwah, Bergen, New Jersey, U.S.A., engineer,

"Improvements in manganese steel rails and process of rolling the same."

13,975. *Prov.* Henry Edwin McDonald, 263-269 Kent-street, Sydney, N.S.W., merchant.

"Improvements in electric batteries."

13,976. *Prov.* Albert John Fortescue, Arncliffe, N.S.W., manufacturer, and William Thomas Willington, 587 George-street, Sydney, N.S.W., electro-plater,

"Improved method of and apparatus for destroying cactaceous and other like growths."

13,977. Frank Alonzo Beal, 77 Washington-street, Haverhill, Mass., U.S.A., manufacturer,

Application under Sec. 121.

[Date applied for 9th Apr., 1908, being date of application in U.S.A., Serial No. 426,058, Grant No. 899,501, patented 29th Sept., 1908. Application also made in Canada, 26 May, 1908.]

"Improvements in turned shoes."

Friday, 12th March.

13,978. *Prov.* Peter Robertson, engineer, c/o Arthur Otto Sachse, *C.E.*, patent attorney, corner of Collins and William streets, Melbourne, Vic.,

"Improvements in or connected with kettles and similar utensils."

13,979. *Prov.* John Simpson, Longfield-street, Stawell West, general storekeeper,

"A roller self adjusting shaft tug."

13,980. *Prov.* William John Butler, "Mansir," Cary-street, Drummoyne, N.S.W., cycle builder,

"Improved pedal driving mechanism specially applicable to bicycles and the like."

13,981. *Prov.* Henry Darlington Ross Anderson, 262 Post Office-place, Melbourne, Vic., leather merchant, *assignee of* Louis Woolf, *act. inv.*, 156 Palmerston-street, Carlton, Vic., manager,

"An improved school-bag."

13,982. *Prov.* Oswald Jones, 47 Wilson-street, Redfern, N.S.W., engineer,

"Improvements in automatic weighing and delivering apparatus."

13,983. *Prov.* Alfred James Petersen Hitchins, Tamworth, N.S.W., staff surveyor,

"A convertible railway truck."

Saturday, 13th March.

13,984. *Prov.* Anita Adrienne Gibbs, Oatlands, Tas., married woman,

"Improvements in cards for playing games."

13,985. *Comp.* M. Donaghy & Sons Proprietary Limited, Pakington-street, West Geelong, Vic., rope manufacturer, *assignee of* William Jose, *act. inv.*, Candover-street, Geelong West, Vic., engineer,

"An improved machine for automatically indicating and facilitating the removal of lumps, bunches of fibre, or other inequalities of size in binder twine."

Monday, 15th March.

13,986. *Prov.* George Swale Alefounder, *act. inv.* (c/o Messrs. Farmer and Company Ltd. Pitt-street, Sydney, N.S.W.), mechanical engineer, *assignee* of George Kingstone, *act. inv.*, Finsbury Park, London, Eng., and Samuel King, *act. inv.*, 11 Elphinstone-street, London, Eng.,

"Improvements in motor road vehicles."

13,987. *Prov.* John Edward Perkin, 69 Melville-street, Hawthorn, Vic., business manager, *assignee of* Cecil Selwyn Teece, *act. inv.*,

"Combination seat and step-ladder."

13,988. *Prov.* Albert Kilborn, "Bondi," New-street, Middle Brighton, Vic., engineer,

"Improvements relating to the milk delivery passages of milking machines."

13,989. *Prov.* Edward Armitage, Maryborough, Qld., engineer,

"Improvements in and relating to turbine engines."

Applications received, 11th to 17th March—*continued.*

13,990. *Prov.* Charles James JOHNSON, 89 York-street, South Melbourne, Vic., tinsmith,

"Garden and lawn spray."

13,991. *Prov.* James WILSON, storekeeper, and Patrick WILSON, blacksmith, both of William-street, Abermain, *viâ* Maitland, N.S.W.,

"Door regulator and lock."

13,992. *Prov.* Thomas SHAW, Cottage Farm, Mittagong, N.S.W., farmer,

"Overhead irrigator."

13,993. *Prov.* John Alfred WILLIAMS, Short-street, Arncliffe, N.S.W., boilermaker,

"Improvements in water tube steam boilers."

Tuesday, 16th March.

13,994. *Prov.* Henry WRIGHT, Congupna, Vic., teacher,

"Automatic gate-lock."

13,995. *Prov.* Frank SMITH, 41 Bendigo-street, Richmond, Vic., rubber manufacturer,

"An improved puncture-proof inner tube for cycle, motor cycle and motor car tyres."

13,996. *Prov.* Frank SMITH, 41 Bendigo-street, Richmond, Vic., india rubber manufacturer,

"An india rubber hair-waver or curler."

13,997. *Comp.* Alec Leslie Edgar CROMBIE, Cobar, N.S.W., engine-fitter,

"A mechanical music teacher."

13,998. *Prov.* Edward Martineau HIGGINSON, clerk, care of Phillips, Ormonde, & Co., 533 Collins-street, Melbourne, Vic.,

"An improved appliance for brightening knife blades."

13,999. *Prov.* Peter Milne DUNCAN, 18 Regent-street, Yeoville, Johannesburg, Transvaal, S.Af., incorporated accountant,

"Improvements in means or devices for taking samples from streams of liquids or liquids mixed with solids or comminuted matter in the dry state."

Wednesday, 17th March.

14,000. *Prov.* Eric LAURENCESON, Talbot street, Majorca, Vic., butcher,

"Improvements in and relating to bicycles and tyre inflators."

14,001. *Comp.* John BLUM, *act. inv.*, 7 Rue St. Boniface, Brussels, Belgium, doctor of chemistry, and Alfred William CARPENTER, *assignee*, 28 Bedford-street, London, Eng., banker,

"Improvements in and relating to the manufacture of artificial Para rubber."

14,002. William Speirs SIMPSON and Howard OVIATT, both of 165 Victoria-street, London, Eng., engineers,

Application under Sec. 121.

[Date applied for 16th Nov., 1908, being date of application in U.S.A. Application also made in Great Britain, 18th Nov., 1908; Norway, 28th Nov., 1908; Germany, 2nd Feb., 1909; Austria, 3rd Feb., 1909; Belgium, 5th Feb., 1909; France, 5th Feb., 1909; Spain, 6th Feb., 1909; Italy, 6th Feb., 1909; Denmark, 8th Feb., 1909; Hungary, 9th Feb., 1909; Switz., 10th Feb., 1909.]

"Improvements in the direct production of iron from the ore."

14,003. William Speirs SIMPSON and Howard OVIATT, both of 165 Victoria-street, London, Eng., engineers,

Application under Sec. 121.

[Date applied for 16th Nov., 1908, being date of application in U.S.A. Application also made in Great Britain, 18th Nov., 1908; Norway, 28th Nov., 1908; Germany, 2nd Feb., 1909; Austria, 3rd Feb., 1909; Belgium, 5th Feb., 1909; France, 5th Feb., 1909; Spain, 6th Feb., 1909; Italy, 6th Feb., 1909; Denmark, 8th Feb., 1909; Hungary, 9th Feb., 1909; Switz., 10th Feb., 1909.]

"Improvements in the direct production of steel from the ore."

14,004. *Comp.* Thomas GARE, Bramble Beach, Warren Drive, New Brighton, Chester, Eng., engineer,

"Improvements in and connected with the manufacture of sheet india rubber and the coating or facing of fabrics and the like with india rubber."

Applications received, 11th to 17th March—*continued.*

14,005. *Comp.* Thomas William Simpson, Whitwood House, Castleford, Yorkshire, Eng., glass bottle manufacturer,

"Machine for manufacturing glass bottles."

14,006. *Comp.* Franz Aders, 185 Friedrichstrasse, Berlin, Germany, merchant,

"An automatic multi-way valve."

14,007. *Comp.* Karl Koszegi, Baja, Comitat Bács-Bodrog, Hungary, and Count Emil Széchényi, Vajszka, Comitat Bács-Bodrog, Hungary,

"Improvements in cultivating machines."

14,008. *Comp.* Heinrich Friedrichs, Nordstrasse 146, St. Magnus Nr. Vegesack, Germany, smith, and Johann Friedrichs, Nordstrasse 117, St. Magnus Nr. Vegesack, Germany, riveter, *assignees of* Martin Stroppel, *act. inv.*, Yorkstrasses 10, Bremen, Germany, upholsterer,

"Improved clothes-hook."

14,009. *Prov.* James Thomson, gentleman, care of T. Robinson and Company Proprietary Limited, No. 532 Bourke-street, Melbourne, Vic., *nominee of* A. Basil Reid, *act. inv.*, and Percy Alexander Thomson, *act. inv.*, both of Barr Park, Cohuna, Vic., irrigationists,

"An improved machine for cutting and gathering sorghum and other similar crops."

14,010. *Comp.* Francis Tarran, Brunswick, Vic., ironworker,

"Improvements in hame hooks and the like, and other fastening means for avoiding sudden heavy strains."

14,011. *Prov.* Charles McIntyre, manager of Braeside Manufacturing Company Proprietary Ltd., Gipps-street, Richmond, Vic.,

"Improved process for washing cotton and linen material or clothes."

14,012. *Prov.* Arthur Septimus Brewster, Suffolk-street, Paddington, N.S.W., manufacturer,

"A trap for rabbits and other vermin."

14,013. *Prov.* George Grant, care of T. C. Allen, 127 King-street, Sydney, N.S.W., chemist,

"Medicated insoles for boots and shoes."

14,014. *Prov.* Charles Henry Davis, Inverell, N.S.W., grazier,

"The Davis boring apparatus."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,052. Kobiolke, A.
Valveless apparatus for automatically generating acetelyne gas.

13,218. Womersley, F.
An improvement in and relating to the adjusting of the cutter bar springs and tension screws in all shearing machine shears.

1909.

13,497. Rüthning, G. H. J.

13,559. Flintoff, Elizabeth W.

13,650. Morish, W. H.

13,654. Swan, P. E., & Bristol, C. F. L.

13,658. Germein, S. G.

13,686. Stocks, H.

13,694. Kell, R. E.
Register attachment to platen printing machines.

13,695. Surber, E. C., & Faust, R.

13,705. Grace, T.

13,712. McDonald, H. E.

13,728. Madeley, O. T.

13,729. Plummer, W. L.

13,735. Pottinger, F. L. E.

13,738. Strachan, J. J.

13,744. Pearce, S. W.

13,745. Gray, R.

13,748. Gordon, H. C.

13,749. Gordon, H. C.

13,750. Credgington, H.

13,751. Finlay, J. K., & Corney, E.

13,790. Bleeck, W. A. F.

13,807. Stokes, A. W.

13,810. Hamilton, G. C.

13,811. Robinson, S.

13,816. Bradley, J. R.

13,818. Un. Shoe Mach. Co. (Mayo & Buckminster)

13,829. Bennett, R.

13,830. Ambrose, T.

13,831. Ambrose, T.

13,835. Lainson, W., & Brown, W. (Bennett)

13,839. Coleman, G.

13,841. Rolfe, H. C. L'O.

13,869. Fiske, A. J.

13,871. Hardwick, W.

13,902. Collier, Maude D.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,492. Frank Russell, Spring-street, Sydney, N.S.W., publisher,

"Automatic switch and signal for railway." 15th Mar., 1909.

11,501. George William Green, Lion's Lair," Woy Woy, N.S.W., carpenter,

"Change speed gearing." 16th Mar., 1909.

11,715. Hugh Victor McKay, Sunshine, Vic., machinery merchant,

"Improvements in plow and land cultivating implements." 12th Mar., 1909.

11,725. James Goddard Lamb, merchant, and Thomas Henry White, commercial traveller, both of 220 Clarence-street, Sydney, N.S.W.,

"Improved apparatus for displaying and storing curtains and other articles." 12th Mar., 1909.

11,726. Roland Meredith Cooper, "Fruit Exchange," Turbot-street, Brisbane, Qld., commission agent,

"A corn husker." 15th Mar., 1909.

11,738. Peter Roddy Robb, "Woodend," Woodhaugh, Dunedin, N.Z., plumber, and George Atkinson Birch, 70 Heriot-row, Dunedin, N.Z., clerk,

"Improved pocket combined candle case and sconce." 15th Mar., 1909.

11,749. Louis Will and Carl Peter Will, both of Chinta, near Goode, S.A., farmers,

"Improvements in stump jump ploughs." 15th Mar., 1909.

11,791. William John Duffy, *act. inv.*, seaman, and David Lanham, *assignee*, sailmaker, both of Charlotte-street, Brisbane, Qld.,

"Apparatus for putting out and lowering also for taking on board a ship's lifeboat." 15th Mar., 1909.

11,808. George William Bischof, "Mallala," Frankston, Vic., farmer and grazier,

"An improved music or like leaf turner." 15th Mar., 1909.

12,332. Marc Rutty, 58 Margaret-street, Sydney, N.S.W., merchant, *communicatee of* Maurice Jeantet, *act. inv.*, St. Claude, Jura, France, manufacturer,

"Improvements in smoking pipes." 11th Mar., 1909.

12,596. James Lambert Williams, 212 Queensberry-street, North Melbourne, Vic., plumber,

"Improved apparatus for washing tumblers and similar drinking vessels." 11th Mar., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,453. Jeffree, L. C.
11,455. Baumgaertner, F.
11,456. Seitz, E.
11,458. Hamden, J.
11,463. Harris, S. A.
11,464. Frewin, F. A.
11,467. Evans, G. S.
11,470. Robson, F. G.
11,471. Grayson, L. W. (Gellert)
11,472. Grayson, L. W. (Evans & Schultz)
11,474. Schwartz, C. L.
11,482. Manning-Hill, W.
11,484. Trezise, S.
11,490. Marshall, C. W.
11,493. Martin, E.
11,496. Harris, A. E.
11,498. Cowen, W. G.
11,501. Green, G. W.
11,503. Tuson, C. G., & Blackett, H. R.
11,504. Nable, D.
11,506. Murnane, C.
11,507. Meyers, E.
11,509. McEwen, R.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

10,844. Coates.
10,995. Quinn.
11,037. King.
11,162. Tyree.
11,185. Branchflower.
11,356. Cliff.
12,321. Lederer.
12,322. Lederer.
12,369. Pearce.
12,372. Lederer.
12,648. Merrill.
12,732. Curtis.
12,756. Imlay.
12,797. Arbuckle.
12,805. Round.
12,806. Reincke.
12,821. Harrison.
12,876. McMurray.
12,877. Inwood.
12,966. Mason.
12,972. McDonald.
12,999. Lyons.
13,012. Ackley.
13,060. Shearer.
13,061. Richardson.
13,078. Toles.
13,110. Beilby.
13,125. Green.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Complete Specifications Accepted—*continued.*

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

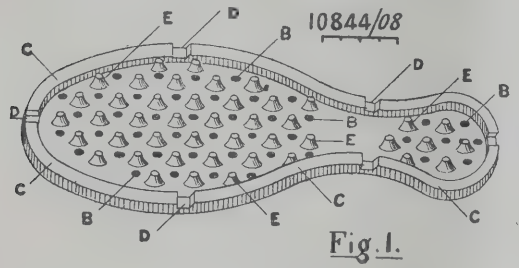
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

10,844. 14 Feb. R. Coates, West Aust.

Class 44.3.

Ribbed or studded undersurface for inner sole of spongy rubber with ventilating perforations. 3 designs.

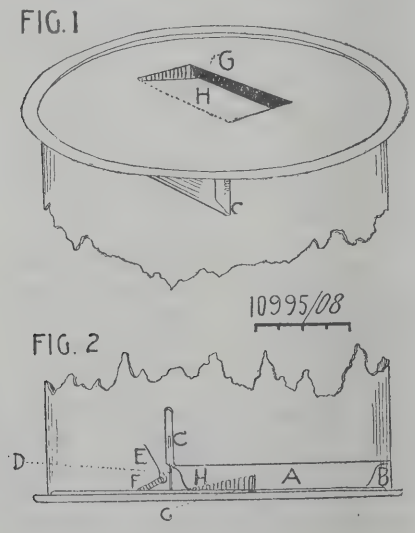


4 figures, 4 claims.

10,995. 7 Mar. F. M. Quinn, Victoria.

Class 55.2.

Money boxes: **H** is a ramp for coin slot **G**; **C** casing containing a slide; **A** is the receiver, and **E** a flap.

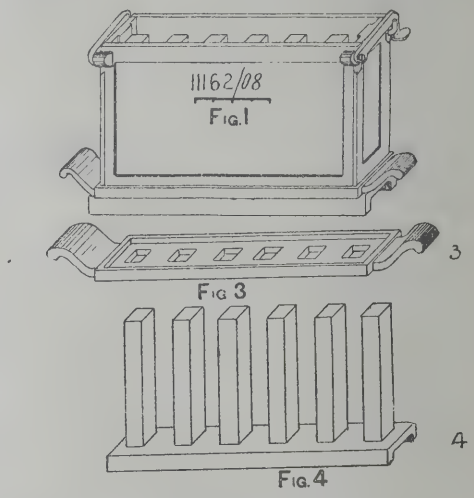


3 figures, 1 claim.

11,162. 30 Mar. W. Tyree, New South Wales.

Classes 18.5; 78.9; 81.1.

Cement and sand or cinders cavity blocks for plugs; moulded in box with false bottom fitting over rod cores for moulding cavities; sides tongued and grooved and fastened by clip.

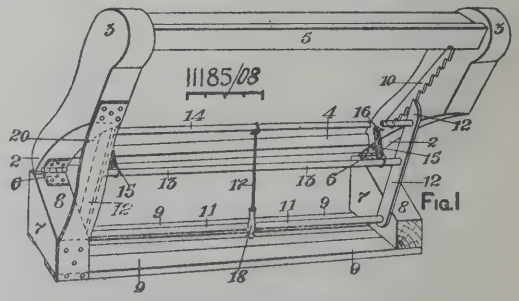


5 figures, 2 claims.

11,185. 1 Apr. H. A. Branchflower, Victoria.

Class 45.2.

Couch, chair, &c.: The head rest is hinged at **6** by operating the cord **18**; the pawl **12** is liberated from the rack **10**; the spring **15** keeps the pawl in engagement with the rack.



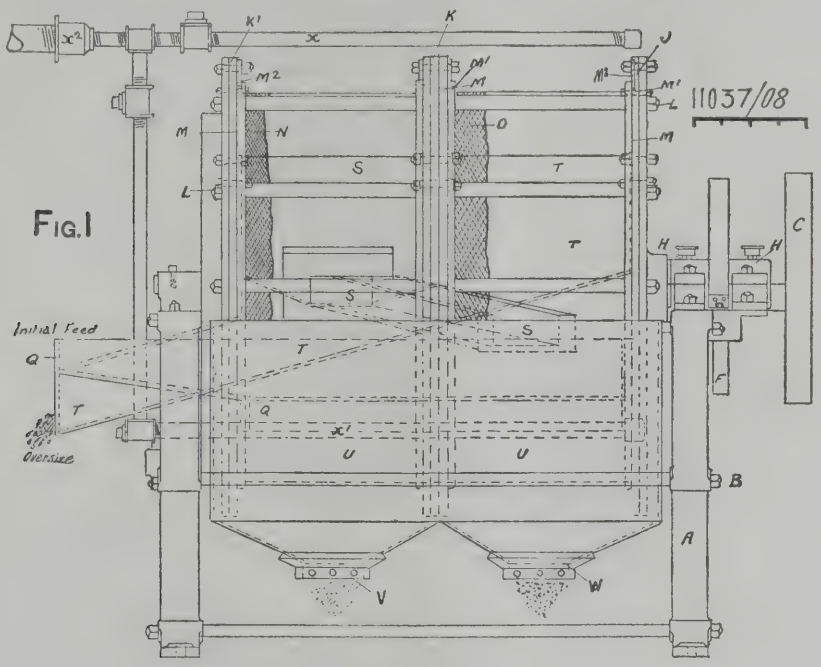
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

11,037. 12 Mar. N. Guthridge (H. G. King, Col., United States of America).

Class 11.3.

Trommel: Two tandem screens on the same shaft; fine material passes through the first screen, while the coarse material is lifted to a shoot, whence it passes to the second screen; concave screen section; water spray.

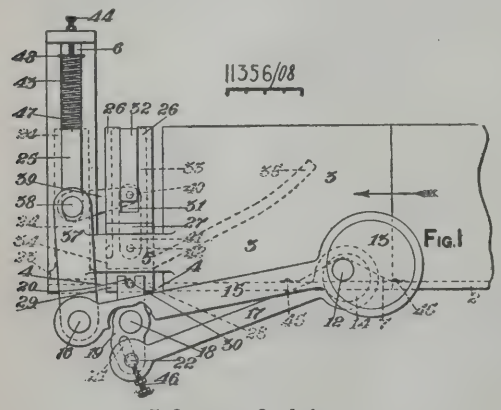


5 figures, 6 claims.

11,356. 25 Apr. F. E. Cliff, Victoria.

Class 10.7.

Chaff-cutter: Step by step feed; reciprocating feed grips operated by eccentrics driven off cutter wheel shaft.



5 figures, 9 claims.

12,321. 24 Aug. The Westinghouse Metal Filament Lamp Co. Ld. (A. Lederer, Austria).

Class 06.4.

Colloidal tungstic acid, metatungstic acid, or ammonium metatungstate as binding material for tungsten filaments.

No drawing, 1 claim.

12,322. 24 Aug. The Westinghouse Metal Filament Lamp Co. Ld. (A. Lederer, Austria).

Class 06.4.

Hollow tungsten or molybdenum filaments: Metal deposited on carbon core; carbon removed by heating in atmosphere of nitrogen and hydrogen.

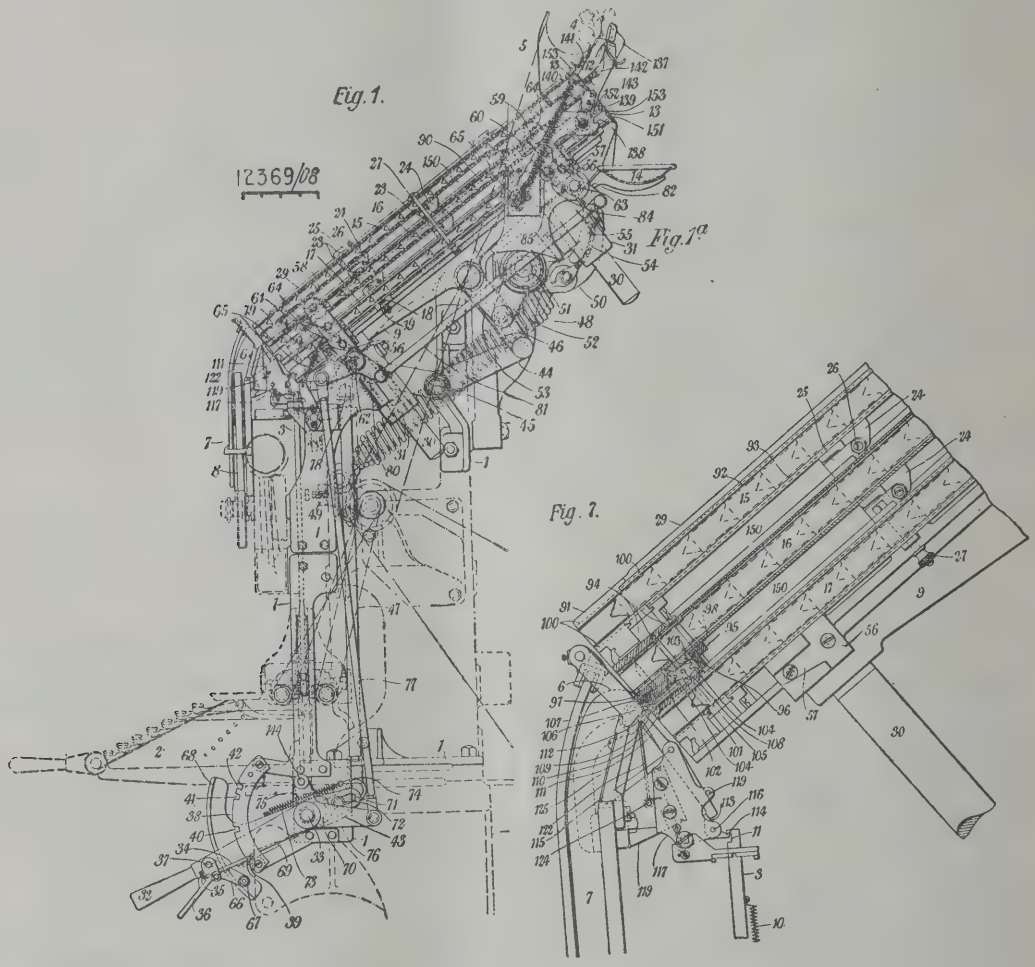
No drawing, 3 claims.

Complete Specifications Accepted—*continued.*

12,369. 2 Sept. E. Waters (H. Pearce and J. E. Billington, England).

Class 50.5.

Linotypes: Multiple magazines, having a "quick change" mechanism controlled by hand lever **32** to raise and lower frame **9** carrying rods **30**; balancing device, consisting of spring **48**, tension adjusting bracket **49**, chain **54** on cam face **55**, and arm **50**; tiers of magazines movable up and down, having one distributor and one entrance, and provision for their co-operation. Correct registering device, having block **56** and slot **57**, and escapement details **3**, **111**, **117**, **119**, **122**, Fig. 7; escapement 6 modifications.



43 figures, 33 claims.

12,372. 2 Sept. The Westinghouse Metal Filament Lamp Co. Ld. (A. Lederer, Austria).

Classes 06.4; 08.6.

Tungsten filaments: Tungsten reduced to plastic doughy mass and squirted into filaments.

No drawing, 2 claims.

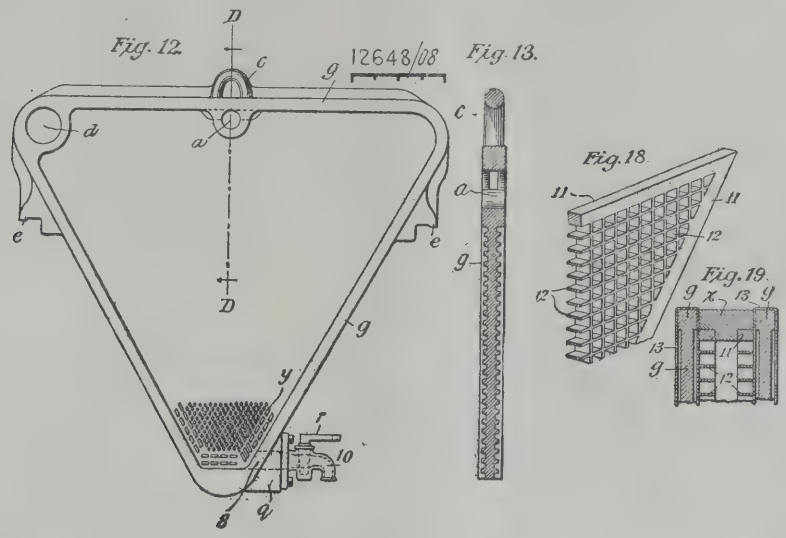
Complete Specifications Accepted—*continued.*

12,648. 1 Oct. C. W. Merrill, Washington, United States of America.

Classes 14.4; 14.7; 28.1.

1. Precipitating gold from cyanide solutions by adding the precipitant to the solution while in motion, conducting the mixture without rest to a filter and separating the solid from the liquid in the filter. Plant diagram.

2. A filter-press comprising plates **g**, containers **x**, and grills 12.

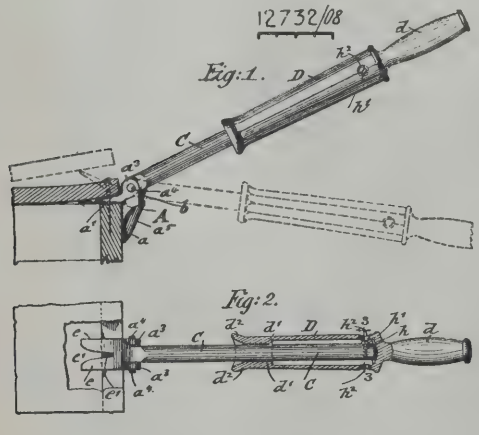


33 figures, 36 claims.

12,732. 10 Oct. Herculever Company (C. L. Curtis, New York, United States of America).

Class 80.3.

Box opener: Claw lever with hinged fulcrum; sliding driving hammer.

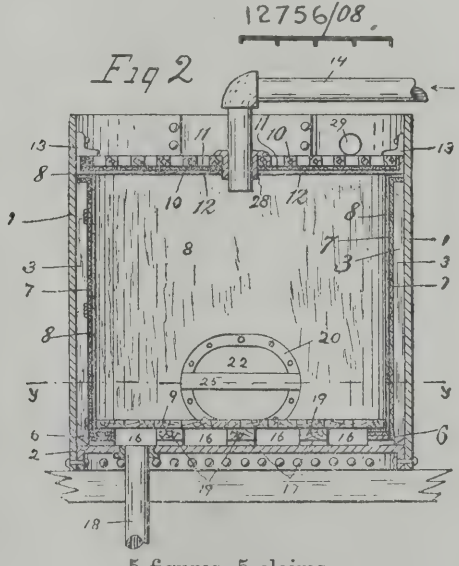


8 figures, 4 claims.

12,756. 12 Oct. W. L. Imlay, Penn., U.S.A.

Classes 14.7; 28.1.

Slimes filter tank: Filtering surface on top and sides.



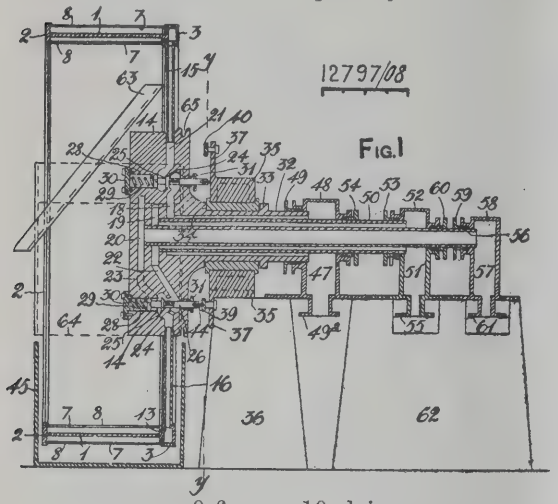
5 figures, 5 claims.

Complete Specifications Accepted—*continued.*

12,797. 16 Oct. A. J. ARBUCKLE and A. OSBORNE, Transvaal, S.Af.

Class 28.2.

Cylindrical filtering frame with internal and external filtering medium **8**, **8**, and divided into compartments, rotates in trough **45**; suction, vacuum, and backpressure pipes communicate with each compartment through passages in hub **14** and hollow shafts **32**, **50**, **56**, connecting with chambers **47**, **51**, **57**, respectively; valves **25** operated by cam plates **40**, &c., control the three steps in cycle.



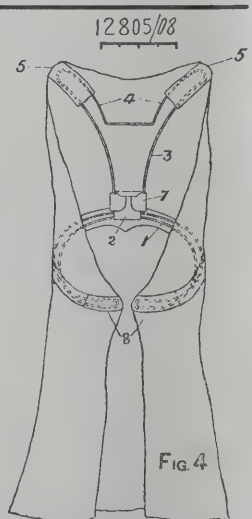
9 figures, 10 claims.

12,805. 19 Oct. J. C. ROUND, England.

Classes 43.3; 58.4.

Wire frame for attaching aprons.

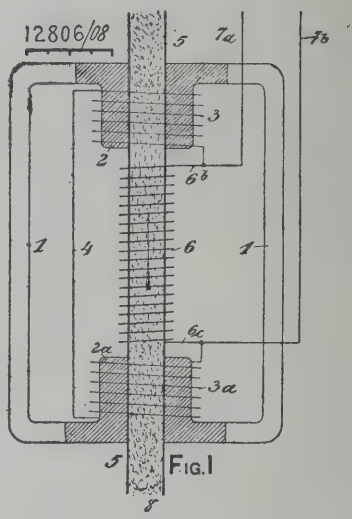
6 figures, 3 claims.



12,806. 19 Oct. J. H. REINCKE, Germany.

Classes 02.0; 02.3.

Generator; Stationary field and armature windings; induction varied by blowing iron filings through field.



3 figures, 10 claims.

12,821. 20 Oct. F. HARRISON and C. H. DORMAN, Eng.

Sec. 121. Great Britain 23,988. 30 Oct., 1907.

Classes 06.4; 08.6.

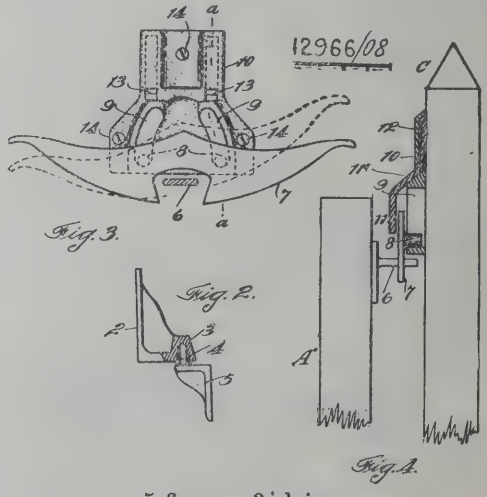
Tungsten, carbon, and hydrogen compound.

No drawing, 4 claims.

12,966. 4 Nov. J. MASON, California, U.S.A.

Classes 78.5; 81.9.

Gate-closing by gravity: Conical socket **3**; hinges set out of vertical; catch with convergent notch engaging latch **6**, having two pivot pins **8** alternating acting as fulcrum and guide in slots **9** of plate **10**.



5 figures, 3 claims.

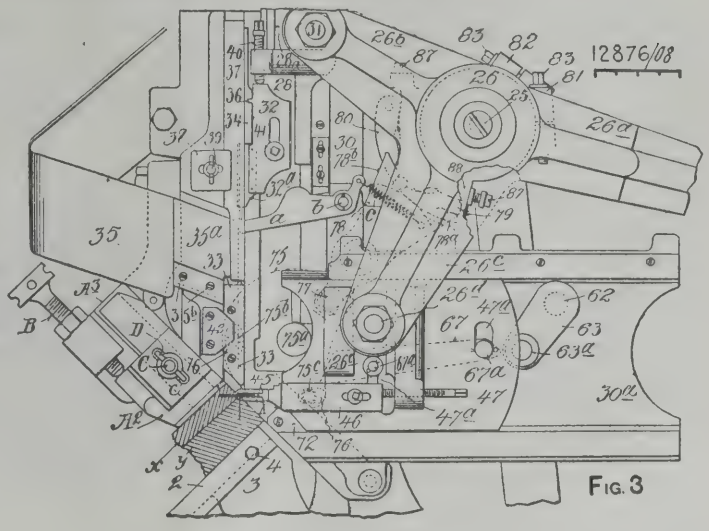
Complete Specifications Accepted—*continued.*

12,876. 27 Oct. The General Package Co. (W. McMurray, New Jersey, U.S.A.)

Classes 57.2; 58.4; 78.5.

Hinging boxes with wire staples: Boards **x**, **y**, are held between table **2** and abutments **A**, **A²**, while staples from tracks **35**, **35ª**, are being driven into the wood, the first vertically and the second horizontally, and interlocking.

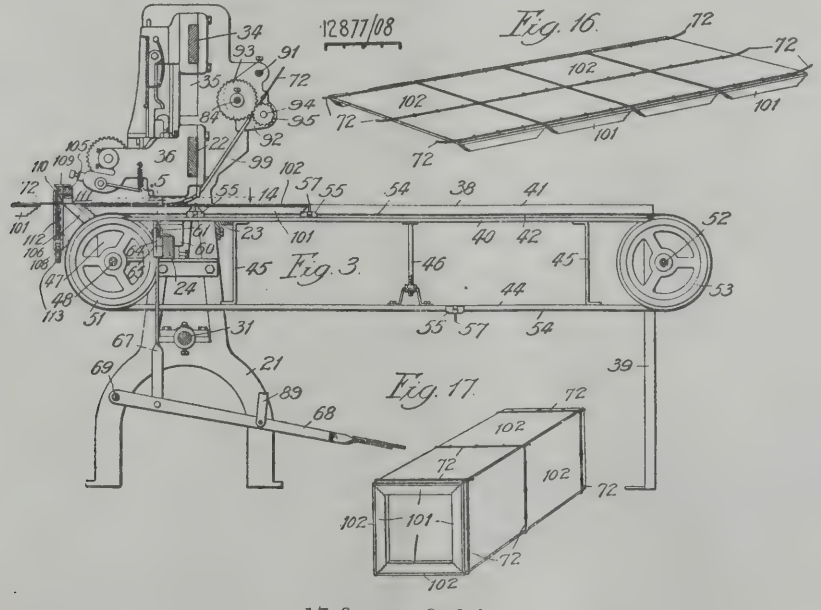
13 figures, 15 claims.



12,877. 27 Oct. E. Phillips (R. G. Inwood and C. C. Chapman, Ind., U.S.A.)

Classes 57.2; 58.4.

Box blank making: Cleats **101** and sheets **102** are fed along guides **38** conducted by endless tape **54** over anvils **60** to have binding wires **72** stapled thereto; the wires are then severed at intervals of four sections by shears **112**.



17 figures, 8 claims.

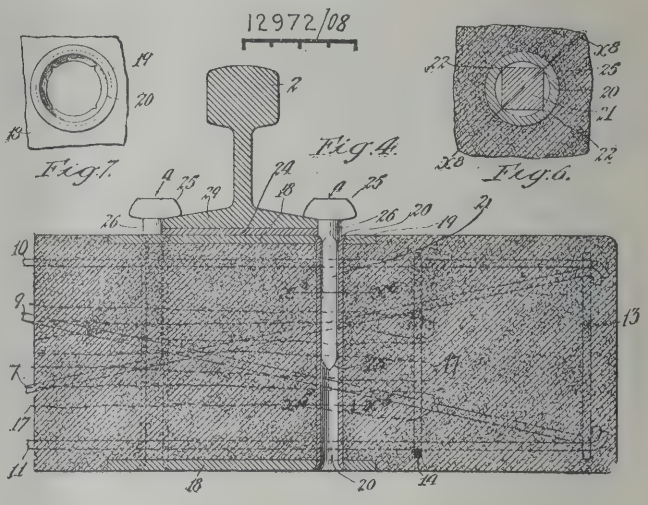
Complete Specifications Accepted—*continued.*

12,972. 4 Nov. E. D. McDONALD, Cal., U.S.A.

Classes 81.2; 98.4.

Reversible concrete sleeper: The reinforcements are fastened at ends by bars **13**; the angles of square spikes, when driven, cut into the walls of tubes **20**, which connect bed plates **18**.

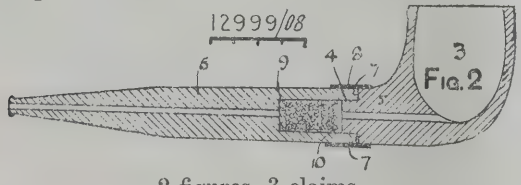
9 figures, 11 claims.



12,999. 10 Nov. J. T. LYONS, N. S. Wales.

Class 33.5.

Tobacco pipe: Chamber in mouth-piece containing absorbent wad saturated with iron sulphate.

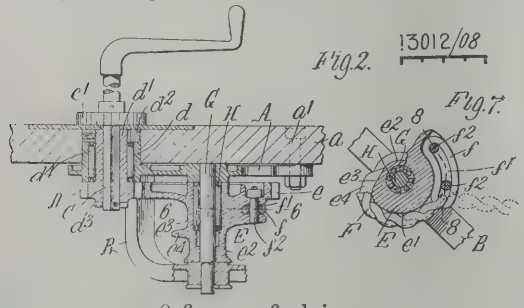


2 figures, 3 claims.

13,012. 11 Nov. G. S. ACKLEY, New York, U.S.A.

Class 96.6.

Winding gear for brake chains: The fusee barrel has concentric portions **E1** and **E2** joined by a straight **E3**; the pinion and fusee are fitted with roller bearings, and the chain can be adjusted by omitting one of the pins **F2**.

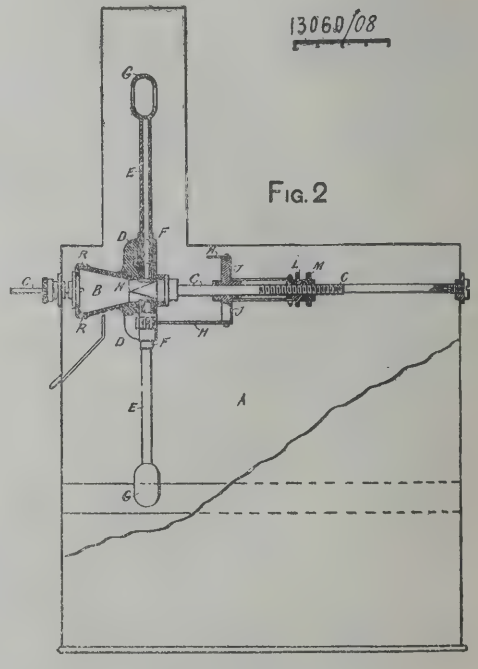


8 figures, 6 claims.

13,060. 16 Nov. W. SHEARER, Scotland.

Classes 21.4; 68.1.

Oil feed for air-carburettor: Baling wheel with four tubular arms, adjustable rim cups, and central discharge.



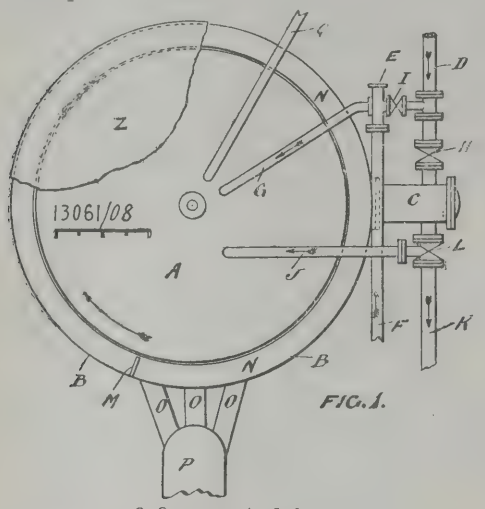
3 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,061. 16 Nov. W. G. Richardson, New Zealand.

Classes 25.6; 40.1.

Centrifugal hydro-extractor and drying plant for hemp.

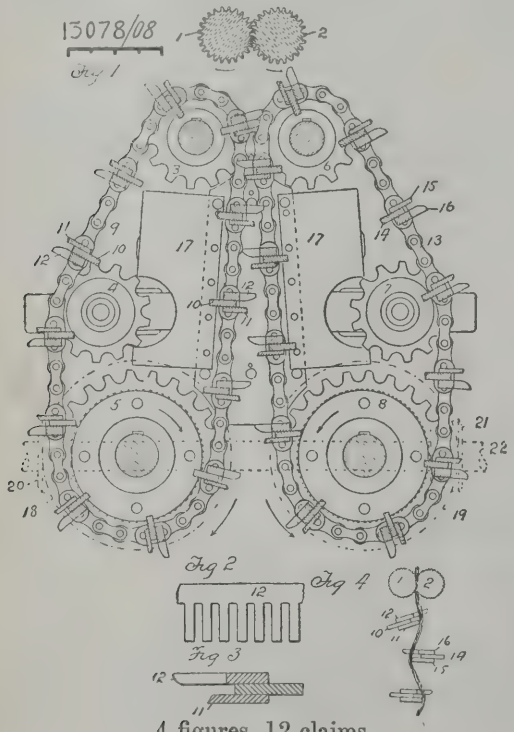


2 figures, 4 claims.

13,078. 19 Nov. J. K. Toles, Cal., U.S.A.

Class 40.1.

Cleaning fibre: Scutching blades **11** and combs **12** on endless chains **9**, **13**.

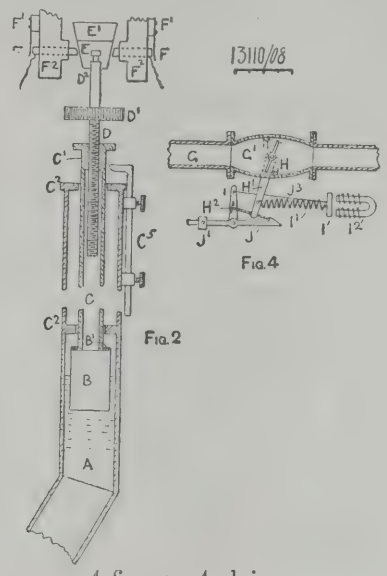


4 figures, 12 claims.

13,110. 23 Nov. C. S. Beilby, New Zealand.

Classes 61.9; 92.2.

Marine governor: Steam valve **H** is closed by magnet **I** when circuit is completed by metallic wedge **E¹** as float **B** falls when propellers rise.

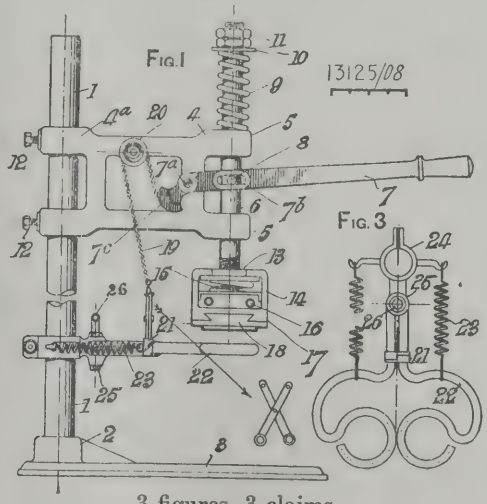


4 figures, 4 claims.

13,125. 25 Nov. W. J. Green, England.

Class 50.9.

Branding boxes, &c.: Gas-heated head, having spring **15**, atmospheric burners **16**, and brand plate **18**, is operated by lever **7**; when heated from below, hinged burner and gas cock **26** are opened and closed automatically by chain at back of lever.



3 figures, 3 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

13,177. Carl Albrecht BAECHLER, 5 Köllikerstrasse, Zürich, Switz., dairy-engineer,

Application under Sec. 121.

[Date applied for 20th Mar., 1908, being date of application in Great Britain, No. 6247/*08*. Application also made in Finland, 23rd July, 1908; Argentine, Austria, 27th July, 1908; Hungary, 30th July, 1908, Serial No. 12,779; Luxemburg, 30th July, 1908, No. 7492; Russia, 18/31 July, 1908, S. No. 36,440; Canada, 10th Aug., 1908; Transvaal, 14th Aug., 1908, No. 327; Roumania, 19th Aug., 1908, S. No. 12,302; Uruguay, 31st Aug., 1908, S. No. 047,141.]

"Improvements in the manufacture of casein."

1909.

13,500. John Taylor PEDDIE, Caxton House, Westminster, London, S.W., Eng., gentleman,

Application under Sec. 121.

[Date applied for 18th Mar., 1908, being date of application in Great Britain, No. 6074/*08*. Application also made in Great Britain, 28th Aug., 1908, No. 18,130/*08*; Canada, 18th May, 1908, Serial No. 139,273/*08*; U.S.A., 19th May, 1908, Serial No. 433,682/*08*.]

"Improvements in sights for small arms and ordnance."

13,666. Alfred Arthur LOCKWOOD, chemist, and Marcus Reginald Anthony SAMUEL, merchant, both of 12 Minories, London, Eng.,

Application under Sec. 121.

[Date applied for 19th Mar., 1908, being date of application in Great Britain, No. 6148/*08*.]

"Improvements relating to the treatment of ores."

13,907. Arthur Hungerford POLLEN, 188 and 189 Fleet-street, London, Eng., director; John Glennie HOLBOURNS, *act. inv.*, linotype operator, same address; and William FLETCHER, *act. inv.*, Linotype and Machinery Depôt, Mercers-avenue, Endell-street, Long Acre, Middlesex, Eng., engineer,

Application under Sec. 121.

[Date applied for 18th Mar., 1908, being date of application in Great Britain, No. 6027/*08*. Application also made in U.S.A., 28th July, 1908.]

"Improvements connected with the magazines of typographical composing machines."

Printed Specifications Published.

Vols. 25 to 43, comprising Applications numbered from 4800 to 8599, are now complete with title pages, &c.

Vols. 44 to 45 comprise Applications from 8600 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4639. R. C. Atkinson. *Filtering producer gas.* Classes 17.4; 21.5.

4640. G. W. Mellor (Mayhew). *Forming compound deals.* Class 80.9.

4646. G. G. Turri (Snyers). *Single-rail trucks.* Classes 96.3; 96.9.

4648. R. Stanley. *Railway crossing alarm.* Class 98.2.

4649. H. E. Lord. *Railway vehicle axle.* Classes 60.9; 96.4.

4652. D. Dobbie. *Sash fastener.* Classes 77.1; 78.7.

4654. P. W. Millane. *Roller fire blind.* Class 46.6.

4656. J. Callow. *Moulding dough.* Class 34.6.

4657. C. P. Forwood. *Dies for disintegrating ore.* Class 10.5.

4658. J. S. Tilbrook. *Stump-jump scarifier.* Classes 30.9; 31.2.

4677, 4680 3, 4689-90. Void applications.

1905-6.

4800 to 4999. Vol. 25. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—4800-3, 4827-30, 4836, 4844, 4875, 4882, 4923, 4931-2, 4946, 4970, 4973, 4976-84.

1907.

9383. E. W. Greenwood. *Roller blinds.* Classes 46.6; 78.8.

9490. Void application.

9587. J. Forgan (Davies). *Stump-jump ploughs.* Class 30.9.

9588. W. E. Ekins. *Cartridge loading.* Classes 60.3; 89.9.

9629. T. Robinson & Co. Prop. Ltd. (Goodwin). *Disc ploughs.* Class 30.7.

9767-9. Void applications.

9953. G. H. Fraser. *Crushers.* Class 10.3.

10,023. Void application.

10,276. A. M. McIntosh. *Surgeon's mouth-gag.* Classes 87.4; 87.7.

10,522. A. Tutton. *Boot upper.* Class 44.1.

10,553. G. H. Olding. *Garbage carts.* Classes 86.5; 93.1.

1908.

10,601. F. L. Alley. *Boot beating machines.* Class 44.5.

10,666-8. Void applications.

10,987. E. A. Hytten. *Telegraphone.* Classes 01.7; 04.4; 05.6.

11,015. W. Stocks. *Rubber.* Class 47.5.

11,045. F. W. Bawden. *Explosives.* Class 89.8.

Printed Specifications Published—*continued.*

1908.

11,069. J. MORRIS. *Hat fastenings.* Class 43.8.
11,076. Void application.
11,154. W. H. YABSLEY. *Sulky springs.* Class 93.3.
11,155. W. H. YABSLEY. *Vehicle seat.* Class 93.2.
11,197. E. G. GREEVES. *Extracting gold.* Classes 12.1; 13.6.
11,205. F. S. GREER. *Visible gas for testing pipes, &c.* Classes 38.9; 86.4.
11,209. W. D. GRATAMA. *Vulcanizers.* Class 47.5.
11,215. FIAT-SAN GIORGIO LIMITED (LAURENTI). *Submarine boats.* Class 91.6.
11,216. W. H. WATERS (HERRICK). *Bonding rails.* Classes 03.6; 06.8; 73.6.
11,217. W. H. WATERS (HERRICK). *Bonding rails.* Classes 03.6; 06.8; 73.6.
11,218. W. H. WATERS (HERRICK). *Electrodes for welding.* Classes 03.6; 06.8; 73.6.
11,273. W. E. GARFORTH. *Respiration apparatus.* Classes 61.7; 88.1.
11,274. W. E. GARFORTH. *Respiratory head-gear.* Class 88.1.
11,275. W. E. GARFORTH. *Respiration apparatus.* Class 88.1.
11,326. A. E. O'ROURKE. *Holding fencing wire to posts.* Classes 78.1; 81.8.
11,339. THE PITTLER UNIVERSAL ROTARY MACHINE SYND. LTD. (VON PITTLER). *Rotary engines.* Classes 67.7; 68.7; 69.6.
11,340. THE PITTLER UNIVERSAL ROTARY MACHINE SYND. LTD. (VON PITTLER). *Rotary engines.* Classes 67.7; 68.7; 69.6.
11,373. G. E. ÖHRN. *Separating ore.* Classes 11.7; 12.2.
11,375. K. and A. WÅRD. *Separating solids.* Class 12.3.
11,406. E. O. BLACKWELL. *Ship ventilators.* Classes 88.2; 88.7; 91.2.
11,424. E. B. KILLEN. *Wheels.* Classes 93.4; 97.81; 97.83.
11,519. G. C. RICHARDS. *Fume condensing.* Class 17.4.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.		*11th March, 1909.*		
10,324	28 Nov.	E. B. Baker	Qld.	Material for wool packs ...	580
			12th March, 1909.		
10,216	12 Nov.	A. J. Madden	Vic.	Cleansing filter candles ...	614
			13th March, 1909.		
10,223	13 Nov.	E. W. Greenwood ...	Vic.	Folding baby-carrier ...	614
10,228	13 Nov.	W. O. Felt	U.S.A.	Compressing, &c., air and gases	727

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*15th March, 1909.*			
10,554	27 Dec.	J. Humphreys & W. Willis	N.Z.	Preventing draughts, &c. ...	646
	1908.				
10,730	29 Jan.	G. E. Morter	Vic.	Gold saving sluice ...	581
10,803	8 Feb.	J. Pedersen	Vic.	Combined churns, &c. ...	697
11,069	17 Mar.	J. Morris	N.S.W.	Ladies' hat fastenings ...	358
11,144	26 Mar.	E. Courtright	U.S.A.	Water motors, &c. ...	218
11,780	19 June	F. Gottschalk	U.S.A.	Applying seals to paper ...	424
	1907.				
11,819	*12 July	F. Rowley	Eng.	Tennis, &c., balls ...	426
	1908.				
11,922	8 July	T. W. Wright ...	Scot.	Disc record albums ...	456
12,189	10 Aug.	Wunderlich Ltd. (Martin)	N.S.W.	Fire extinguishing sprinklers	539
12,323	24 Aug.	B. E. Tennent ...	S.Af.	Assay-furnaces	576
12,428	8 Sept.	E. Phillips (Beeman) ...	U.S.A.	Corset stay	597
	1906.	*16th March, 1909.*			
10,299	*18 Dec.	S. O. Cowper-Coles ...	Eng.	Electro-deposition of iron ...	759
	1907.				
10,584	*18 Jan.	C. J. Hillman... ...	Eng.	Photographic duplication ...	4
	1908.				
10,618	9 Jan.	T. A. Cook	S.A.	Table top	683
10,871	20 Feb.	P. Miller	Vic.	Pan closet	647
11,001	9 Mar.	W. F. Offord	Eng.	Trusses, &c.	171
12,011	20 July	H. H. Miller	U.S.A.	Seed planting	491
12,285	19 Aug.	O. Loiseau	Belgium	Zinc manufacture ...	561

* Date granted under Sec. 121.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
19,192 ...	Sherard Cowper-Coles & Co. Ltd.	23rd Apr., 1916

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 *When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus*—3787/*N.R.; or as the case may be.*

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7582/5618	Sperry, E. A.	13th Mar., 1916
7649/5671	Sherard Cowper-Coles & Co. Ltd.	22nd Apr., 1916

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
3832	Sherard Cowper-Coles & Co. Ltd.	19th Apr., 1916

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

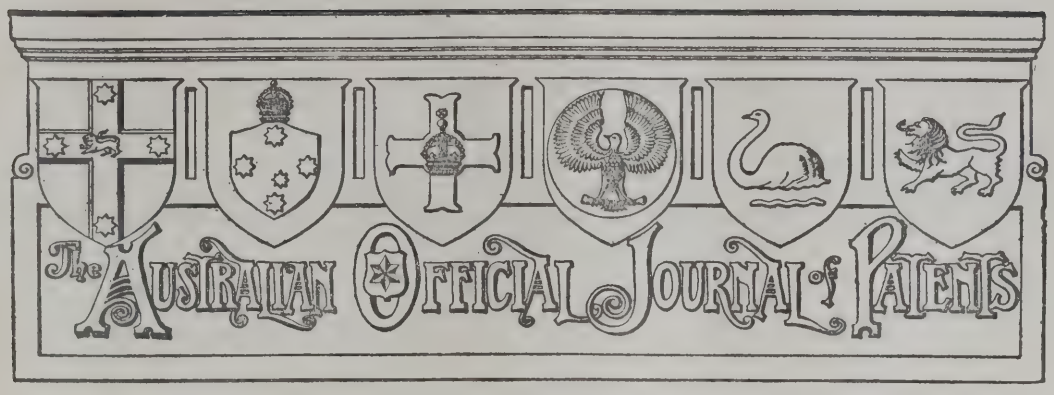
Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
3375	Sherard Cowper-Coles & Co. Ltd.	28th Apr., 1916

GEORGE TOWNSEND,
Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	,, 16 Mar., 1909
,, E, States Proceedings	,, 23 Mar., 1909

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

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On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
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5. Renewal fee for additional patent ...	2	10	0
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6A. On application for extension of time under Regulation 32—			
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Not exceeding two months ...	4	0	0
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15. On lodging notice of opposition to application to amend	2	0	0
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24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
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43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

Vol. 10.] 1909. [No. 12.

Tuesday, 30th March.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE Australian Official Journal of Patents.



Notices.

Applications Received, 14,015 to 14,075.

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C.3704.

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COMMONWEALTH PATENT No. 8282 and dated the 21st day of March, 1907, for an invention entitled "**Improvements in shaft mountings for centrifugal machines**" in the names of LOOMIS BURRELL and DAVID HAMLIN BURRELL (Jun.), both of Little Falls, Herkimer, New York, U.S.A., Manufacturers.

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VOL. 10.] 30TH MARCH, 1909. [No. 12.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices–	
Subscriptions for 1909	225
Payment of Acceptance and Sealing Fees ...	225
Commonwealth–	
Applications Received	226
Provisional Specifications Accepted ...	230
Complete Specifications after Provisional ...	231
Applications (Prov.) Lapsed	231
Assignments Registered...	232
Licence Registered	232
Commonwealth—*continued.*	
Applications Abandoned, &c.	232
Complete Specifications Accepted ..	233
Illustrated Notes	233
Specifications open to Public Inspection before Acceptance	245
Printed Specifications Published	246
Letters Patent Sealed	247
Western Australia–	
Renewal Fee Paid	248

NOTICES.

Subscriptions for 1909.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 9, Statistics and Indexes for 1908, and the Weekly Numbers of Vol. 10 for 1909, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.3704.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 18th to 24th March, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 18th March.

14,015. *Prov.* Henry MEISTER, Gardiners-road, North Botany, N.S.W., manufacturer,

"An improved toaster."

14,016. *Prov.* Henry Charles COOPER, Hector-street, Osborne Park, Perth, W.A., salesman,

"Improved door stop and holder."

14,017. *Prov.* William BUSH, Austral Chambers, 77 Barrack-street, Perth, W.A., carpenter,

"Washing liquid for cleansing clothes and for other purposes."

14,018. *Prov.* Joseph Michael EGAN, Pingelly, W.A., farmer,

"Self adjusting comb for harvesters."

14,019. *Prov.* Hugh CAMPBELL, 312 City-road, South Melbourne, Vic., manufacturer,

"An improved clothes line prop."

14,020. *Prov.* Hugh CAMPBELL, 312 City-road, South Melbourne, Vic., manufacturer,

"An improved appliance for scrubbing fabrics."

14,021. *Comp.* MJÖLKNINGSMASKIN AKTIEBOLAGET, 3A Hamngatan, Stockholm, Sweden, manufacturer, *assignee of* Thure Ernfrid WAWRINSKY, *act. inv.*, and Harry Fredrik ALBIHN, *act. inv.*,

"Improvements in inflatable tubes for milking-organs operated by compressed air."

14,022. *Prov.* Ambrose RIDD, Waipuku, Taranaki, N.Z., farmer,

"Improvements in milking machines."

14,023. Hon. Charles Algernon PARSONS, *C.B.*, George Gerald STONEY, Alfred Quintin CARNEGIE, and Albert William BOWERBANK, all of Heaton Works, Newcastle-on-Tyne, Northumberland, Eng., engineers,

Application under Sec. 121.

[Date applied for 19th Mar., 1908, being date of application in G.B., No. 6180/*08*.]

"Improvements in and relating to controlling devices for plant using elastic working fluid."

14,024. *Comp.* John MALLEY and Edward MALLEY, both of Christchurch, N.Z., moulders (Peter MALLEY, *act. inv.*, Falkirk, Scot.),

"An improved vulcanizing apparatus."

14,025. *Prov.* Henry Vicesimus GOVETT, Castlemaine, Vic., draughtsman,

"An improved valve for air compressors."

14,026. *Prov.* Richard Williams DAVEY, Prospect-road, Prospect, S.A., plumber,

"An improved bath heater."

14,027. *Prov.* Frederick William BRIGGS, Wangaratta, Vic., commission agent,

"Improvements in harness and means for attaching horses to vehicles."

Friday, 19th March.

14,028. *Prov.* Charles James WALKER, "Cloverfield," 238 McKean-street, North Fitzroy, Vic., tanner,

"Improved flexible cover for pneumatic tyres."

14,029. *Prov.* William Edward McCASHNEY, Victoria-street, Trentham, Vic., contractor,

"An improved socket for wire rope connections."

Applications received, 18th to 24th March—*continued.*

14,030. *Prov.* Charles Ware, coppersmith, and Stephen Ware, platelayer, both of Hornsby, N.S.W.,

"Improved rail and fish joint."

14,031. *Comp.* Fred. Lobnitz, Clarence House, Renfrew, Scot., engineer and shipbuilder,

Application under Sec. 7.

(N.S.W., 12,078; Vic., 19,285; Qld., 6650; S.A., 7703/5706; W.A., 3881.)

"Improvements connected with rock cutting apparatus."

14,032. *Prov.* Annie Green, 83 Alma-road, St. Kilda, Vic., married woman,

"Improved ankle support shoe."

14,033. *Comp.* Rupert Frederick Millane, Michael and Rowe streets, North Fitzroy, Vic., engineer,

"A railway car truck and bogie."

Saturday, 20th March.

14,034. *Prov.* Robert Henry Crook, inventor, care of Arthur Otto Sachse, 454 Collins-street, Melbourne, Vic.,

"Means for securing hoses to water taps."

14,035. *Prov.* William Davis, 114 Elizabeth-street, Melbourne, Vic., manufacturing jeweller,

"An improved cuff link."

14,036. *Prov.* Cornelius Murnane, 259 Mount Alexander-road, Ascot Vale, Vic., machinist,

"An improved method of and apparatus for punching holes at regular and irregular distances apart."

14,037. *Prov.* Malcolm McIntyre, traveller, care of John Sanderson & Co., 111 William-street, Melbourne, Vic.,

"An improved rabbit exterminator and smoke producing attachment."

Monday, 22nd March.

14,038. *Prov.* Walter Jackson, Gray-street, Hamilton, Vic., hairdresser,

"Improvement upon existing cigarette packets, or cartoons for enclosing cigarettes and the like."

14,039. *Prov.* John Filshie, Wyong, N.S.W., school teacher,

"Table golf."

14,040. *Prov.* John Filshie, Wyong, N.S.W., school teacher,

"Indoor bowls."

14,041. *Prov.* John Filshie, Wyong, N.S.W., school teacher,

"Quoit bagatelle."

14,042. *Prov.* Florence Austin, 443 Crown-street, Surrey Hills, N.S.W., domestic duties,

"Improved rotary pump."

14,043. *Prov.* John Leonard Beck, 110 Miller-street, Sydney, N.S.W., manufacturer,

"A mechanical device for indicating serial names or numbers, specially adapted to advertise in a tram car, railway carriage or the like the next succeeding stopping place."

14,044. *Prov.* James Dickson Waern, engineer, care of Phillips, Ormonde, and Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in the table tops of wood working machinery."

14,045. *Comp.* Johann Friedrich Lütjohann, 7 Victoria-square, Christchurch, Canterbury, N.Z., billiard table manufacturer,

"Improvement in the construction of cushions for billiard tables."

14,046. *Comp.* William Brazenall, sen., and Edward Brazenall, both of Stanthorpe, Qld., engineers,

"An improved mode of and apparatus for economising the heat generated by the consumption of fuel in boiler and other furnaces."

14,047. *Comp.* Société Alphonse Tourres & Cie., Graville Ste. Honorine (Seine Inférieure), France, glass manufacturers, *assignee of* Alphonse Tourres, *act. inv.*, Graville Ste. Honorine (Seine Inférieure), France,

"Improvements in or relating to machines for blowing bottles or other hollow articles."

Applications received, 18th to 24th March—*continued.*

14,048. *Comp.* John Richard BAINTON, E.S. & A. Bank Chambers, 72 King-street, Sydney, N.S.W., electrical engineer,

"Electric door-lock."

14,049. *Prov.* Anthony George Maldon MICHELL, 413 Collins-street, Melbourne, Vic., civil engineer,

"Improvements in centrifugal pumps."

14,050. *Comp.* George Robertson HISLOP, Greenhill House, Paisley, Renfrew, Scot., gas engineer,

"Improvements in domestic fires, ranges and the like."

14,051. *Comp.* Werther Anders Gustaf VON HEIDENSTAM, Gamla Kungsholmsbrogatan 54, Stockholm, Sweden, and Karl Louis Felix FRIEDEMANN, Drottninggatan 53, Stockholm, Sweden, chemical engineers,

"Improved process of impregnating wood."

14,052. Niels Schiern FRIDERICHSEN, Vesterfaelledvej No. 44, Copenhagen, Denmark, mechanical engineer,

Application under Sec. 121.

[Date applied for 25th Mar., 1908, being date of application in Denmark, No. 11,715/08. Application also made in Sweden, 27th Mar., 1908; Germany, 28th Mar., 1908; Eng., 2nd Apr., 1908; U.S.A., 4th Sept., 1908; Russia, 2nd Dec., 1908; Austria, 12th Dec., 1908; Hungary, 14th Dec., 1908; Finland, 16th Dec., 1908; Switz., 16th Dec., 1908; France, 22nd Dec., 1908; Italy, 22nd Dec., 1908; Canada, 31st Dec., 1908; and Belgium, 4th Jan., 1909.]

"Machine for casting lead seals and the like."

14,053. SIEMENS BROTHERS & Co. LIMITED, *assignees*, 12 Queen Anne's Gate, Westminster, S.W., London, Eng., and Luiz de Moraes Gomes FERREIRA, *act. inv.*, 102 Elmbourne-road, Upper Tooting, Surrey, Eng., electrical engineers,

Application under Sec. 121.

[Date applied for 13th May, 1908, being date of application in Great Britain, No. 10,394/*08*.]

"Improvements in mechanism for electrically operating railway and like signals."

14,054. William Henry JOHNSON, 24 and 26 Lever-street, Manchester, Eng., metal merchant and manufacturer,

Application under Sec. 121.

[Date applied for 27th June, 1908, being date of application in Great Britain, No. 13,624/*08*.]

"Improvements in reinforcing material or bonds for brickwork."

14,055. *Prov.* DAVID JONES LIMITED, 349 George-street, Sydney, N.S.W., draper, *assignee of* Robert BELL, *act. inv.*, 349 George-street, Sydney, N.S.W., manager,

"Improvements in boots."

14,056. Emil UTARD and Alexander GIMONET, both of Pinaud Buildings, 5th-avenue, 14th-street, New York, U.S.A., perfumers,

Application under Sec. 121.

[Date applied for 26th Mar., 1908, being date of application in U.S.A., No. 901,757/*08*.]

"Machine for drying bottles."

14,057. *Comp.* James Hamlin WALKER and Peter WALKER, sanitary engineers, and John Arthur BROWN, manager of foundry in Dunedin, N.Z.,

"Improvements in cocks and taps."

14,058. *Prov.* John William Henry Arthur JARMAIN, Canaga, Chinchilla, Qld., selector,

"The king prickly pear destroyer."

14,059. *Prov.* Francis Parry TUNKS, 12 Bogan-street, Summer Hill, N.S.W., draughtsman,

"A new method of constructing slow combustion water heaters."

14,060. *Comp.* Joseph Edward COWLEY, Ballarat East, Vic., engineer and manufacturer,

"Improvements in and relating to locomotive type boilers and the like."

14,061. *Prov.* George GOODALL, 21 Tivoli-road, South Yarra, Vic., driver,

"Improvements in spring mattresses."

Tuesday, 23rd March.

14,062. *Prov.* Graham CHAPMAN, Clara-street, Erskineville, N.S.W., engineer,

"Improvements in keys for securing wheels and the like upon machine shafting."

Applications received, 18th to 24th March—*continued.*

14,063. *Comp.* Frederick Robert Bust, Auckland, N.Z., insurance agent,

"An improved means of slaughtering cattle and other animals."

14,064. *Prov.* Thomas Rowland Morris, *assignee*, Little Flinders-street, Melbourne, Vic., manufacturer, and Carl Eduard Tannenberg, *act. inv.*, 105 Rowe-street, North Fitzroy, Vic., mechanic,

"An improved mould for use in the manufacture of dummy figures."

14,065. *Prov.* David James Hamilton, Millthorpe, N.S.W., flour-miller,

"An improved apparatus for sub-dividing blocks of butter into pats of predetermined weights and sizes."

14,066. *Prov.* James Hynes, Wanganella, N.S.W., blacksmith,

"A combined cutting and riming tool for use in boring."

14,067. *Prov.* John Glen Newman, 100 Great Buckingham-street, Redfern, N.S.W., draughtsman,

"Improved pneumatic wheel for road vehicles."

14,068. *Prov.* John Vintzentz, 168 Union-street, Erskineville, N.S.W., licensed plumber,

"Vintzentz's waterwave window spray."

14,069. *Comp.* Otto S. Heckel and Ernst H. Spellmeyer, both of St. Louis, Miss., U.S.A., manufacturers,

"Improvements in cloth measuring machines."

14,070. *Prov.* Willis Joseph Corr, 63 Porter-street, Kalgoorlie, W.A., cabinet-maker,

"An improved butter and general provision cooler."

Wednesday, 24th March.

14,071. *Prov.* Clare Lenore Martin, "Castildine," New-street, Elsternwick, Vic., married woman,

"Improvements in vehicles."

14,072. *Comp.* Adolph Dehne, Beeskowerstrasse 11-12, Frankfurt on the Oder, Germany,

"Combined resilient step and journal bearings for vertical shafts."

14,073. *Prov.* William Tyree, Circular Quay, Sydney, N.S.W., gas engineer,

"A new or improved method of constructing re-inforced concrete or plaster partition walls."

14,074. *Prov.* Richard Scott Sindell, Harris-street, Parramatta, N.S.W., engineer, and Norman Reginald Lee, "Rathmines," Kurraba-road, Neutral Bay, N.S.W., electrician,

"The Lee patent."

14,075. Ernest Charles Austin, Eastbrook, Wanganui, N.Z., foreman,

Application under Sec. 121.

[Date applied for 11th Apr., 1908, being date of application in N.Z. Application also made in Germany and U.S.A.]

"Improvements in or relating to spirit levels."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,302. Forbes, A. P.
Device attachable to typewriting machines for obtaining two copies at one writing direct from the ribbon, without the use of carbon papers.

1909.

13,602. Stoneman, A. R., & Paterson, W. J.
13,628. Carolin, J. P.
13,669. Fortescue, A. J., & Willington, W. T.
13,730. Morris, F. J.
13,743. Cromwell, C.
13,747. Cuthbert, J., & Stubbs, S. C.
13,760. Allen, R. W.
13,762. Taylor, J. L.
13,764. Reilly, J. C.
13,786. Haugh, H.
13,789. Tyree, W.
13,795. Fulton, D.
13,797. Mander, A.
13,798. Jackson, J. D.
13,804. Behr, H. C.
13,820. James, A.
13,832. Richardson, E.
13,836. Broad, A. S.
13,856. Un. Shoe Mach. Co. (Jerram)
13,875. Menesdorffer, A.
13,914. Donkin, S. H.
13,915. Benton, J. W.
13,927. Forwood, C. P.
13,934. Hefford, I.
13,935. Dondey, A., & Testro, J. C.
13,947. Sulman, H. L., Greenway, H. H., & Higgins, A. H.
13,949. Devlin, M. J.
13,971. de Beaupuis, E.
13,978. Robertson, P.
13,979 Simpson, J.
13,983. Hitchins, A. J. P.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,522. Rebekah Barrett, "Waratah," Asling-street, Brighton, Vic., *legal representative of* Thomas Barrett, *act. inv.* (deceased),

"Improved washing machine." 18th Mar., 1909.

11,546. Harold Berry, Clementston, Vic., engineer,

"Improvements in suction gas plants." 22nd Mar., 1909.

11,760. William Richard Wilson, Bath-street, Sandringham, Vic., engineer,

"Improvements in motor-cars and other like vehicles." 18th Mar., 1909.

11,782. Horace Augustus Loftus, Wunghnu, Vic., blacksmith,

"Improvements in multi-furrow ploughs." 19th Mar., 1909.

11,795. James Alfred Speedie, 82 Westgarth-street, Fitzroy, Vic., hotelkeeper,

"Double delusion animal trap." 22nd Mar., 1909.

11,812. Cornelius Augustus George Lister, "Eyrlsleigh," Barnesbury-terrace, Hawksburn, Vic., mercantile agent,

"Blouse and costume fastener." 24th Mar., 1909.

11,890. Thomas Barnard, Bridge-road, Richmond, Vic., bicycle manufacturer,

"Improvements in cycle pedal clips and the like." 22nd Mar., 1909.

12,066. James Dougall Yeates, Riley-street, Bairnsdale, Vic., orchardist,

"A harrow cleaner." 18th Mar., 1909.

12,213. William Henry McGeever, Greenmount, Qld., station master,

"Improved device for use in connection with the staff working of rail- and tramways, and method of using same." 22nd Mar., 1909.

12,249. Ernest Clark, 35 James-street, Windsor, Vic., manager,

"An improved method of and apparatus for re-treading and repairing the covers of pneumatic tyres." 23rd Mar., 1909.

12,933. Edward Ryan, 197 Latrobe-street, Melbourne, Vic., engineer,

"Means for the minimising or prevention of dust on streets or roads." 23rd Mar., 1909.

13,284. William Clark, Junee, N.S.W., railway steam-shed inspector,

"Improvements in exchangers in tablet systems of railway traffic control." 23rd Mar., 1909.

1909.

13,637. Walter Whitlock, 22 High-street, Waverley, N.S.W., bricklayer,

"An improved tie for use in the construction of hollow or cavity brick walls." 18th Mar., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

Corrigendum.—In No. 11, p. 211, under above heading, *cancel* entry No. 11,501, Green.

1908.

11,513. Pike, W.
11,514. Hartmann, S.
11,517. Newton, P. M. (Fooks)
11,518. Smith, D. C.
11,520. Bones, G. J.
11,527. Page, G.
11,529. Priest, S.
11,533. Sands, R. (Roberts)
11,537. Alcock & Co. Pty. Ltd. (Matthews)
11,538. Caldwell, J. D.
11,539. Caldwell, J. D.
11,541. Hazard, J., & Fairclough, H.
11,543. Scott, J.
11,544. O'Sullivan, J. R. B.
11,548. Dyne, W. H.
11,552. Hession, B.
11,553. Watts, W.
11,557. Izod, J. E.
11,562. Holmes, N. J.

Assignments Registered.

1906.

6959. "Improvements in and in apparatus for the preservative treatment of food."

Assignment of the whole *by* Joseph Amos LINLEY *to*

THE IMPROVED CHILLING COMPANY LIMITED. Dated 16th Nov., 1908. Registered 23rd Mar., 1909.

1908.

11,111. "Improvements in apparatus for the production and supply of carburetted air for lighting, heating and other purposes."

Assignment of the whole *by* Francis James HOBSON *to*

THE FEDERAL AIR GAS COMPANY PROPRIETARY LIMITED. Dated 6th Feb., 1909. Registered 19th Mar., 1909.

Licence Registered.

1907.

9996. "Improvements in closets or privies."

Licence granted *by* Roland John FARMER *to*

George Harry Goodwin WHARINGTON, for the States of Victoria and Western Australia, for the unexpired term of patent. Dated 22nd Jan., 1909. Registered 19th Mar., 1909.

Applications Abandoned, Withdrawn, &c.

1907.

10,486. *Comp.* (*Lapsed.*) Albert Henry SNOWDON, Wallace-street, West Maitland, N.S.W., rubber stamp maker,

"An improved method of setting up rubber type in alphabetical order or form."

10,496. *Comp.* (*Lapsed.*) George WATKINS, 67 Regent-street, Sydney, N.S.W., electrician,

"A combined matchbox holder match snuffer and receptacle."

10,525. *Comp.* (*Lapsed.*) John PUGH. 2642 Whitlock-street, South Kalgoorlie, W.A., engine-driver,

"An improved wind mill."

10,527. *Comp.* (*Lapsed.*) THE LINOTYPE COMPANY LIMITED IN LIQUIDATION, 188 Fleet-street, London, Eng., manufacturer (Isaiah HALL, *act. inv.*, the Mergenthaler Setz-Maschinen Fabrik, 17 & 18 Chaussee Strasse, Berlin, Germany),

Application under Sec. 7.

(N.S.W., 10,673; Vic., 18,195; Qld., 5809; S.A., 6855/5094; W.A., 3248; Tas., 2938.)

"Improvements in moulds for casting lines of type."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,229.	Higson.	11,711.	Graham.	12,886.	Stephens.	13,065.	Taylor.
11,330.	Cavanagh.	12,139.	Cowper-Smith.	12,892.	Suisted.	13,079.	Toles.
11,331.	McFeely.	12,209.	Mellor.	12,960.	Goetz.	13,080.	Toles.
11,332.	McFeely.	12,418.	Rea.	12,980.	von Celsing.	13,128.	Zechnall.
11,334.	Bates.	12,598.	Rawling.	13,024.	Wiggins.	13,137.	Allan.
11,335.	Goddu.	12,776.	Thomson.	13,026.	Spackman.	13,157.	Blackham.
11,536.	Jackson.	12,848.	Morris.	13,053.	Douglas.	13,162.	Ferguson.
11,629.	Cameron.	12,865.	Donovan.	13,058.	Lindström.	13,171.	Gallagher.
		12,875.	Bentley.	13,062.	Richardson.	13,173.	Virtue.
						13,178.	Thomas.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

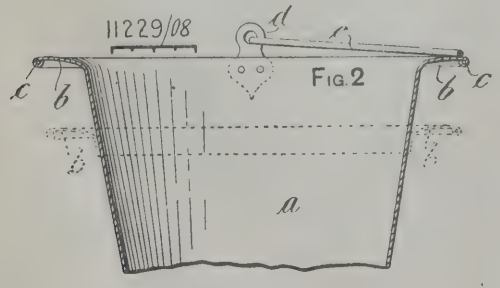
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

11,229. 8 Apr. H. Higson and H. T. Higson, Victoria.

Classes 36.2; 57.2.

Milking bucket with flange b for supporting on milker's knees.

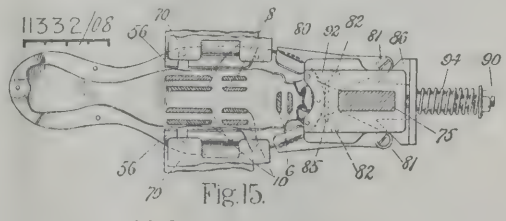


3 figures, 3 claims.

11,332. 23 Apr. United Shoe Machinery Co. (R. F. McFeely, Mass., U. S. America).

Class 44.5.

Combined pull-over and lasting machine: Pull-over mechanism as in G.B. 7005/00; lasting affected by wipers **56** and **80**, attached to work supporting arms and front tack arm **75**; which engage the work previous to the release of grippers **6**, **8**, and **10**; to form the toe folds the corner wipers **80** are closed by wedges **86** in advance of front wiper on tack holder **90**.

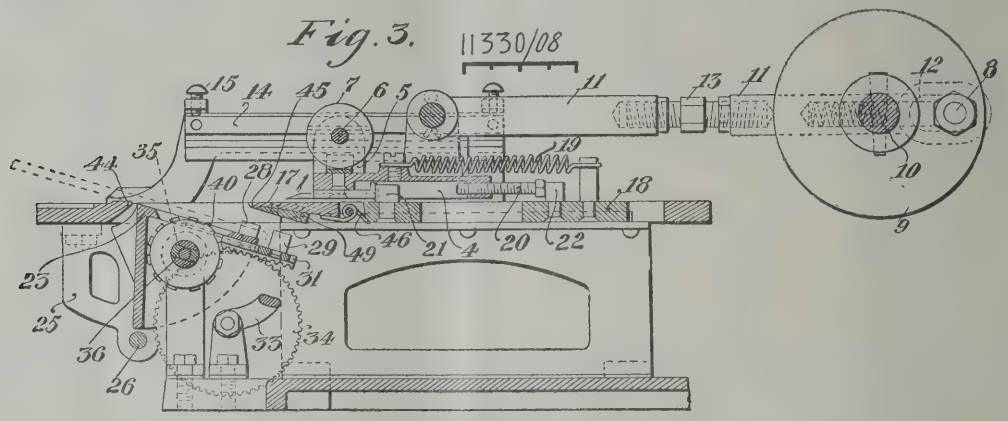


16 figures, 60 claims.

Complete Specifications Accepted—*continued.*

11,330. 23 Apr. United Shoe Machinery Co. (J. Cavanagh, Mass., U. S. America).
Classes 44.3 ; 44.5 ; 50.9.

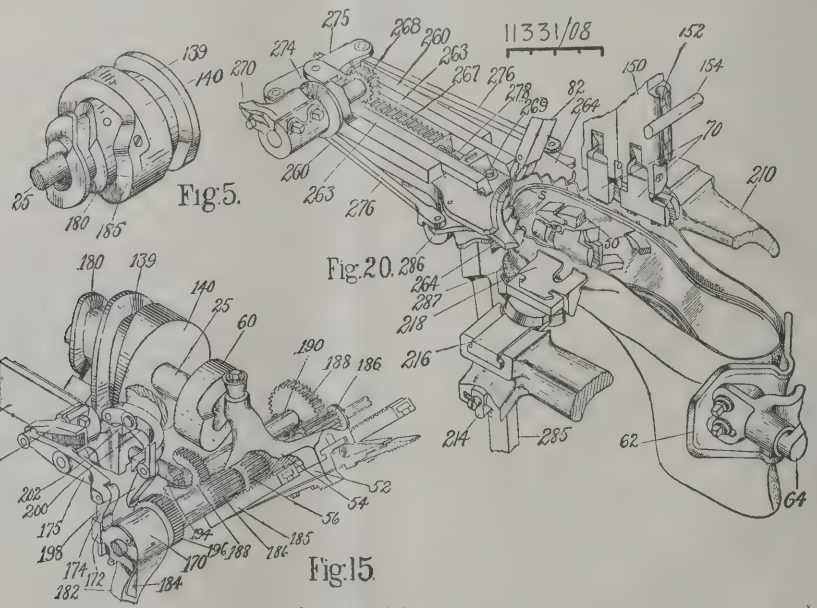
Making lateral slits in insoles for entrance and exit of rib-forming knife ; duplex knives **1** on reciprocating slide **4** ; depth of cut adjusted by sliding presser-foot **17** ; die wheel **40** for stamping size numerals.



12 figures, 20 claims.

11,331. 23 Apr. United Shoe Machinery Co. (R. F. McFeely, Mass., U. S. America).
Class 44.5.

Combined pull-over and lasting machine : Upper automatically pulled over and tacked to last by side grippers **70** ; toe grippers **82** and tack presenting arms **230**, as in G.B. 7005/*00* ; to adjust upper about last, the side grippers are manipulated laterally by handles **72**, and longitudinally by pinion **160** ; and the last is moved forwardly by rack **185**, and is sunk downwardly into the pulled upper by cam 60 ; the grippers **82** can be released by handle **116**, and operated by lever **84** in conjunction with wiper plates **264** to work toe into position to receive binding wire ; the wipers are thrust forwardly by pinion **268** and downwardly by handle **262**.



28 figures, 158 claims.

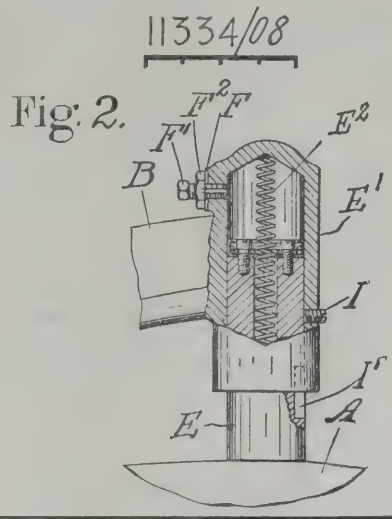
Complete Specifications Accepted—*continued.*

11,334. 23 Apr. United Shoe Machinery Co. (A. B. Bates, England).

Classes 44.5; 62.4.

In pull-over machines the action of the grippers is regulated when pulling and recoil prevented when they are released by a pneumatic or hydraulic brake cylinder **E¹** fixed to the machine frame; the plunger **E** is controlled by an adjustable escape valve **F¹**.

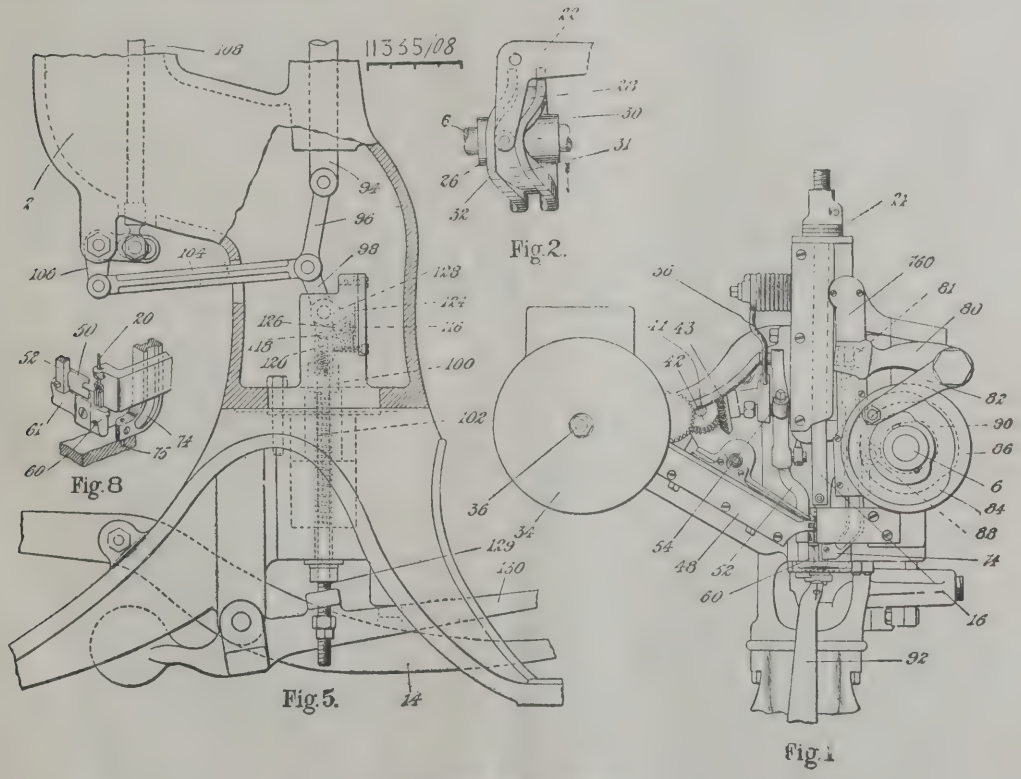
5 figures, 19 claims.



11,335. 23 Apr. United Shoe Machinery Co. (G. Goddu, Mass., U. S. America).

Class 44.5.

High-speed loose nailer: Parts timed to anticipate one another; driver **16** positively actuated by cam **31** and bell crank **22**; tack separator **50** and throat block **60** actuated by lever **52** transversely to laterally swinging awl bar **74**; work support **92** clamped by pawls **116** controlled by cam actuated toggle **96**.



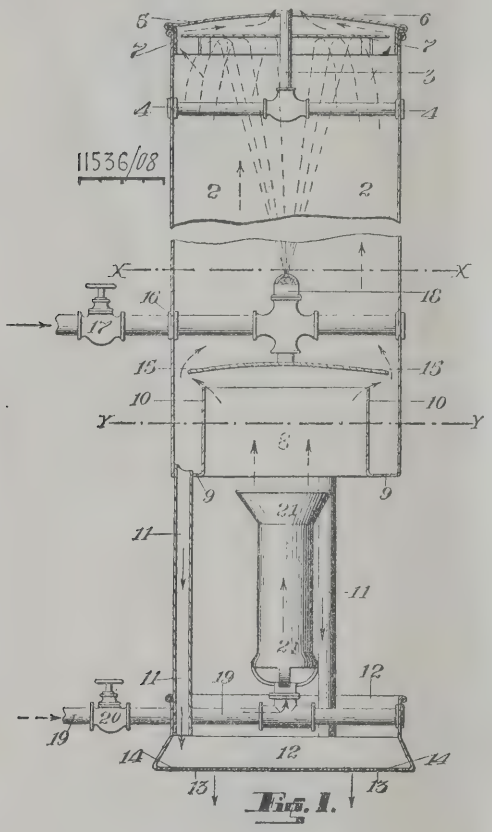
15 figures, 15 claims.

Complete Specifications Accepted—*continued.*

11,536. 20 May. J. D. JACKSON and W. H. CLARKE, Victoria.

Class 24.5.

Shower bath heater: Water sprayed in chamber **2** falls on plate **15** heated by gas burner **21** and passes down pipes **11** to shower chamber **12**.

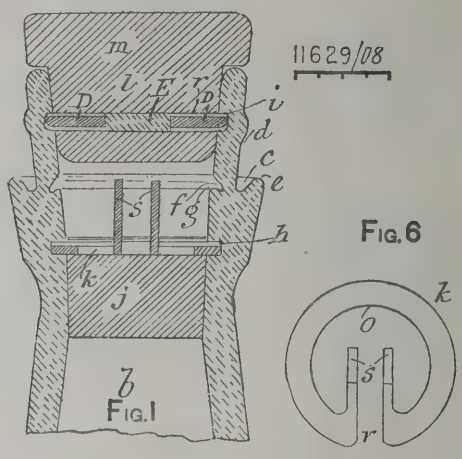


3 figures, 3 claims.

11,629. 1 June. T. C. CAMERON, Victoria.

Class 57.6.

Anti-fraud bottles, stoppers: Spring washer **k** with closable lugs **s** is placed above cork **j**, and glass plug **l** with spring or resilient material **E** to eject pins **D** into recess **i** is inserted in upper part **d** of neck, which is broken off at **f**, **c** to open bottle. Modifications.

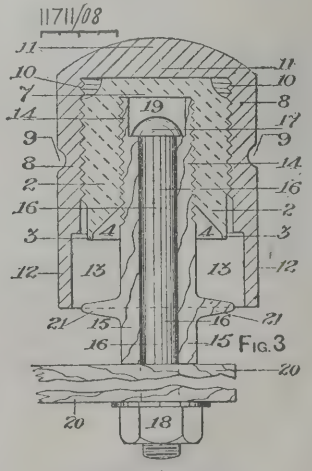


11 figures, 16 claims.

11,711. 12 June. C. McL. GRAHAM and P. T. LAW, Victoria.

Class 03.1.

Insulator: Outer impregnated wood cover; wax covered inverted insulating cup screwed on wood sleeve of central bolt; dripping lip and dust and rain excluders.



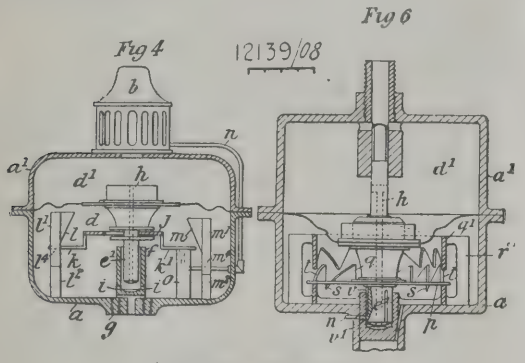
3 figures, 7 claims.

Complete Specifications Accepted—*continued.*

12,139. 5 Aug. A. T. Cowper-Smith, England.

Class 22.8.

Lighting and extinguishing gas by increased pressure in main. Diaphragm valve, &c.; two modifications.

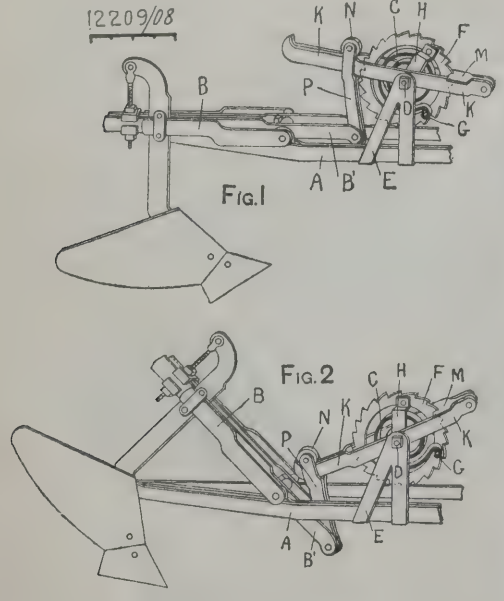


7 figures, 5 claims.

12,209. 11 Aug. J. F. Mellor, South Australia.

Class 30.9.

The jump beam **B** is maintained in working position by clock spring **C** and rocking lever **K**, the inner end of the spring being fastened to a cross pin secured to implement frame, the outer end to the rocking lever, which engages an anti-friction roller **N**.

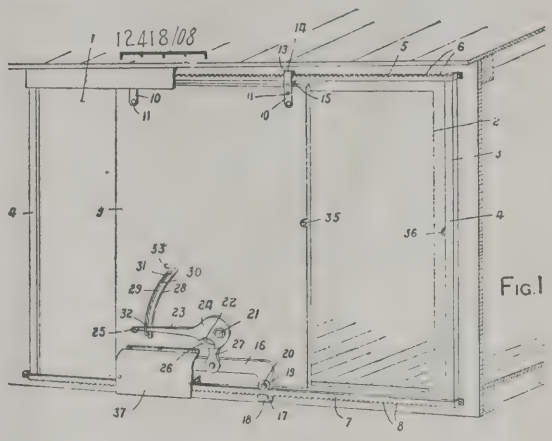


3 figures, 3 claims.

12,418. 7 Sept. A. A. Rea and G. H. Rea, New York, United States of America.

Classes 78.8; 96.1; 96.8.

Fastening for railway box-car: The doors can be locked, while partially open for ventilation, by eccentric lever which forces toothed hangers into engagement with racks.

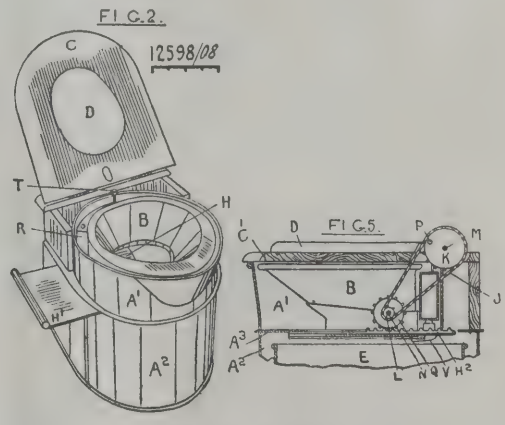


6 figures, 4 claims.

12,598. 25 Sept. W. J. Rawling, South Australia.

Classes 86.2; 86.3.

Commode box: Slide **H**[1] between hopper and pan; rack connected to hinge and gearing; disinfectant oil supply.



5 figures, 3 claims.

Complete Specifications Accepted—*continued.*

12,776. 14 Oct. OXYCHLORIDES (1907) LIMITED (A. B. THOMSON, England).

Classes 86.2; 86.7.

Introduction of oxychloride, &c., into conduits through a valve operated by a float, the rise and fall of which is actuated by and relative to the rise and fall of the liquor passing over the weir.

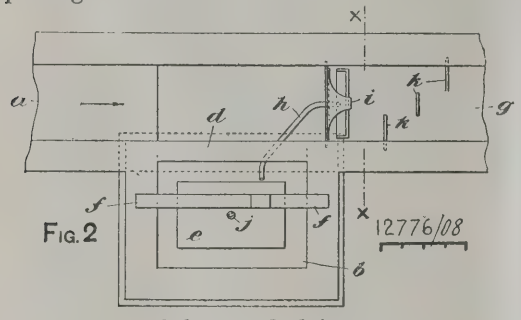


FIG. 2

3 figures, 3 claims.

12,865. 27 Oct. P. J. DONOVAN, Cal., United States of America.

Classes 14.7; 28.2.

Rotary leaching cylinder and filter: Cylinder with filter lining; slime charging door; axial feed for solution, vacuum pipe **39**.

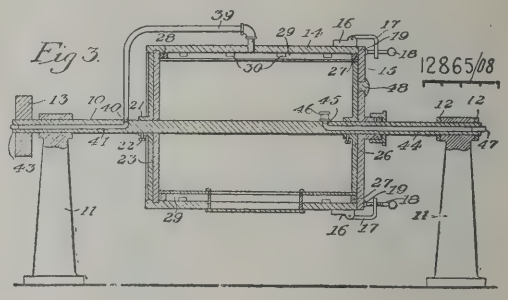


Fig 3.

6 figures, 3 claims.

12,848. 23 Oct. J. H. MORRIS, New South Wales.

Class 31.1.

Seeding hopper **D** has a regulating valve **C** with a zig zag agitator **M** reciprocated by friction pulley **S** as shown on Figure 2.

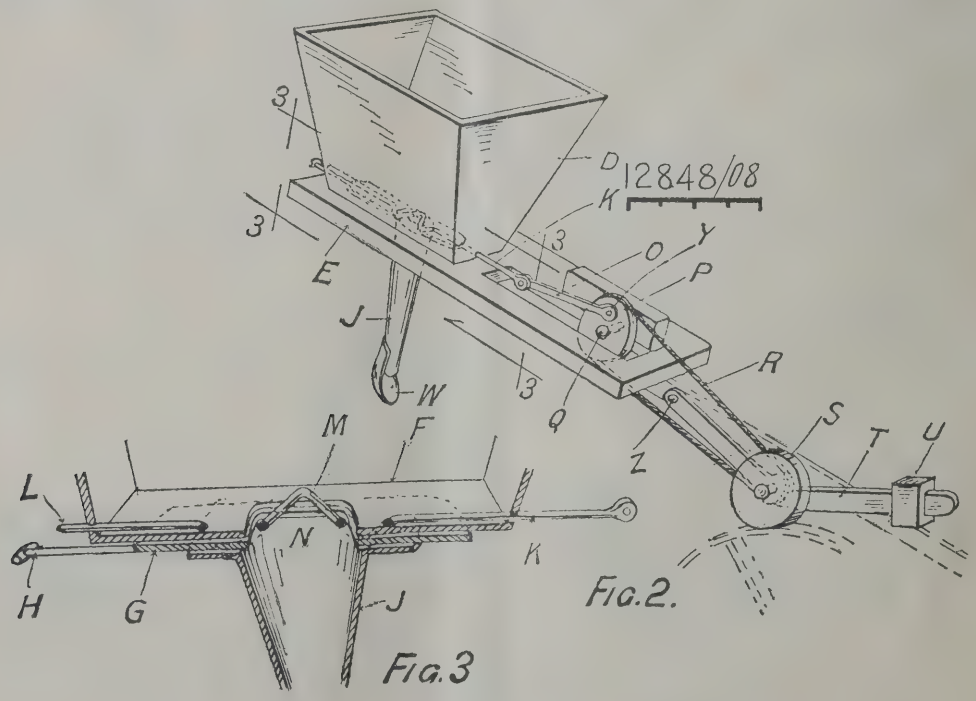


FIG. 2.

FIG. 3

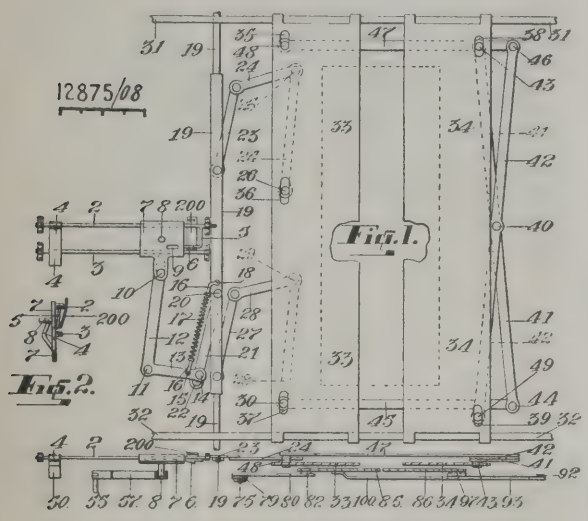
4 figures 3 claims.

Complete Specifications Accepted—*continued.*

12,875. 27 Oct. S. Bentley, Victoria.

Class 59.2.

Lift doors opened by a horizontal slide **7** with a spring catch **9**; the slide is operated by a deflectable cam channel on the cage; additional safety drop guards. Modifications.

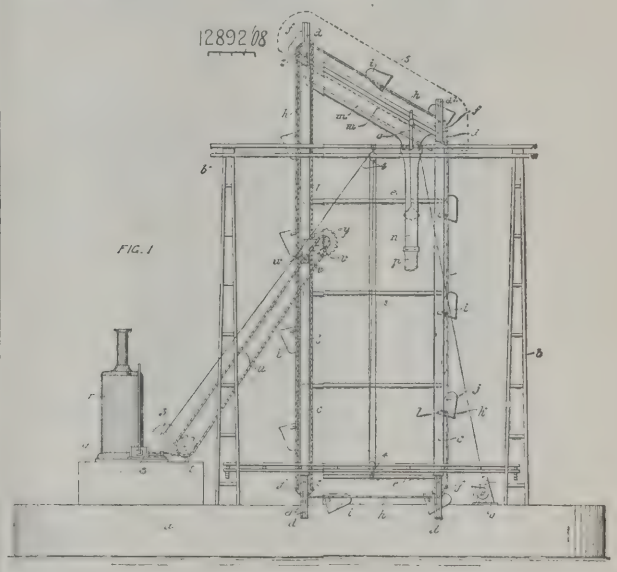


9 figures, 10 claims.

12,892. 28 Oct. P. H. Suisted, England.

Class 91.8.

Floating elevator: A bucket ladder **d** sliding in vertical ways **c** is supported by coal or other bulk cargo when discharging same from a lighter moored between two pontoons **a** straddled by the tower **b**.

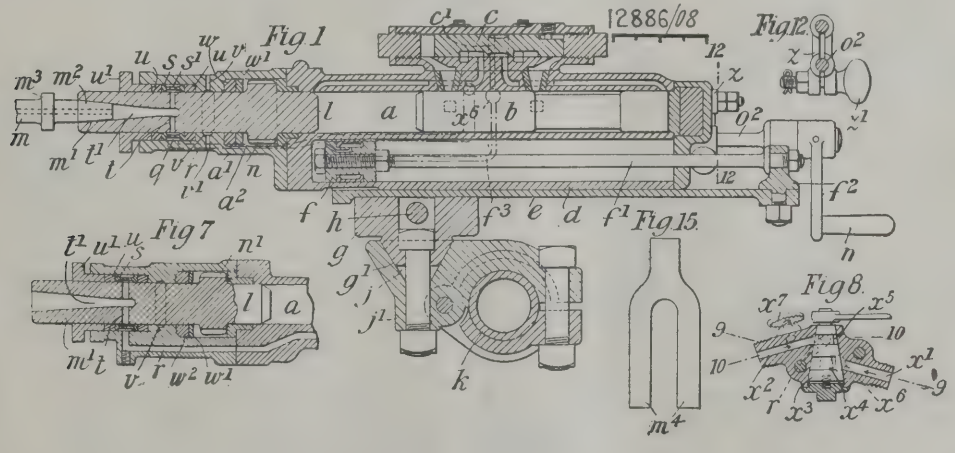


4 figures, 4 claims.

12,886. 28 Oct. W. C. Stephens, England.

Classes 85.4; 85.8.

Rock drill: Pneumatic feed cylinder arranged parallel to drill cylinder; cradle swivel; chuck and valve details; tools for removing drill bit.



15 figures, 8 claims.

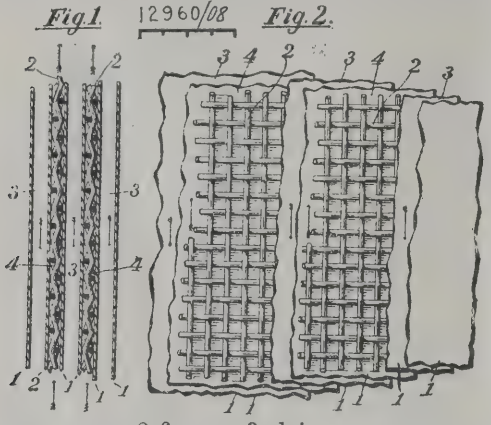
Complete Specifications Accepted– *continued.*

12,960. 4 Nov. A. GOETZ and P. A. JONES, Michigan, United States of America.

Classes 27.1; 36.3.

1. Pasteurizing beer, milk, &c., by passing a current of the same between heated walls and deflecting the interior portion of the current towards the walls at frequent intervals.

2. Pasteurizer: Alternate cells containing woven wire fabric of heat conducting material.

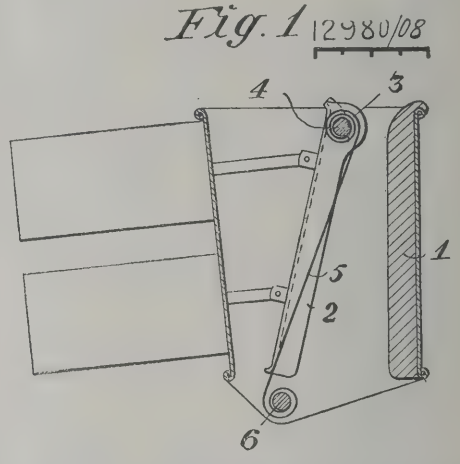


2 figures, 3 claims.

12,980. 5 Nov. MJOLKNINGMASKIN AKTIEBOLAGET (H. VON CELSING, Sweden).

Classes 36.1; 60.1.

Presser plate milking machine: Movable plate connected to fixed plate by studs **4** and **6** and springs **3**.

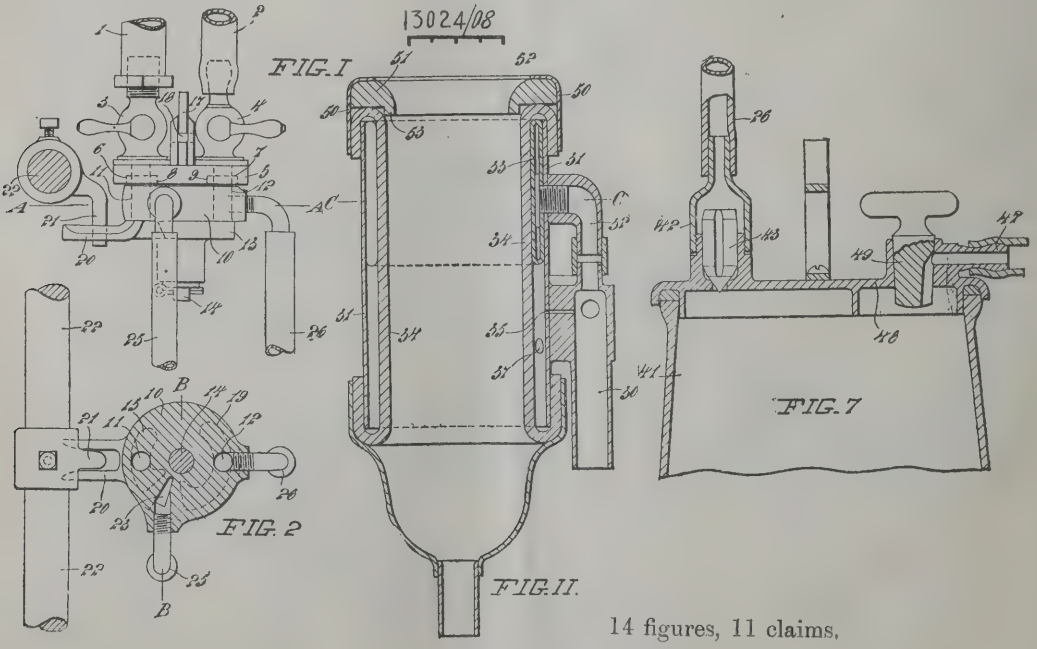


2 figures, 1 claim.

13,024. 12 Nov. R. A. WIGGINS, New Zealand.

Class 36.1.

Milking machine: Disk valve **10** oscillated by rock-shaft **22** intermittently admits air pressure through ports **15** and **23** and pipe **25** to pouch **33** in teat-cup and to lower portion of teat-cup through pass **35**, causing upper part of lining **34** to operate sooner than lower part; continuous vacuum applied to teat-cup and milk vessel **41** through pipe **2** port **19**, pipe **26** and non-return valve **43**.



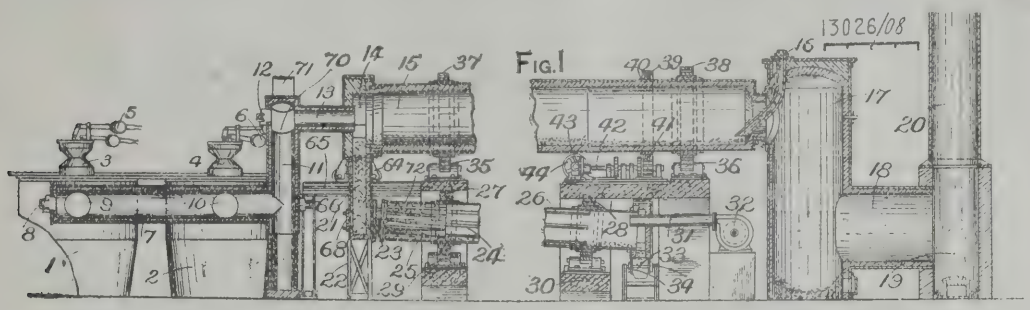
14 figures, 11 claims.

Complete Specifications Accepted—*continued.*

13,026. 12 Nov. H. S. Spackman, Penn., United States of America.

Classes 16.45; 17.3; 18.3.

Gas fired rotary cement kiln 15, having a hood 14, and an air preheating rotary clinker cooler 24.

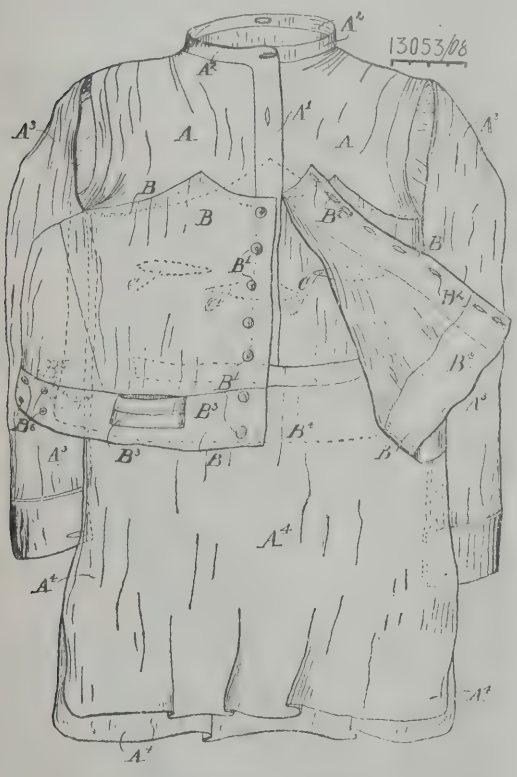


5 figures, 12 claims.

13,053. 16 Nov. A. Douglas, Victoria.

Class 43.3.

Shirt with vest attachment.



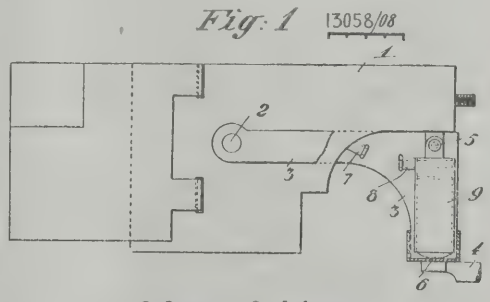
1 figure, 4 claims.

13,058. 16 Nov. K. I. Lindström, Sweden.

Sec. 121. Sweden, 2933. 11 Dec., 1907.

Class 36.1.

Imparting a pulling action on teat in presser pad milking machines: Piston pads are mounted in left of frame 1, which is pivoted at 2 to bracket carrying cylinder and piston 9; air passes from pad cylinders to piston 9, raising right side of frame 1 and depressing left side carrying presser pads.



3 figures, 3 claims.

13,062. 16 Nov. W. G. Richardson, New Zealand.

Classes 34.2; 40.1.

Cattle food prepared from the vegetable fleshy part of New Zealand flax.

No drawing, 6 claims.

13,065. 17 Nov. G. E. Taylor, England.

Sec. 121. G.B., 27,572. 13 Dec., 1907.

Class 87.1.

Sterilizing or antiseptic tablets: Paraformaldehyde or metaformaldehyde and animal or vegetable grease.

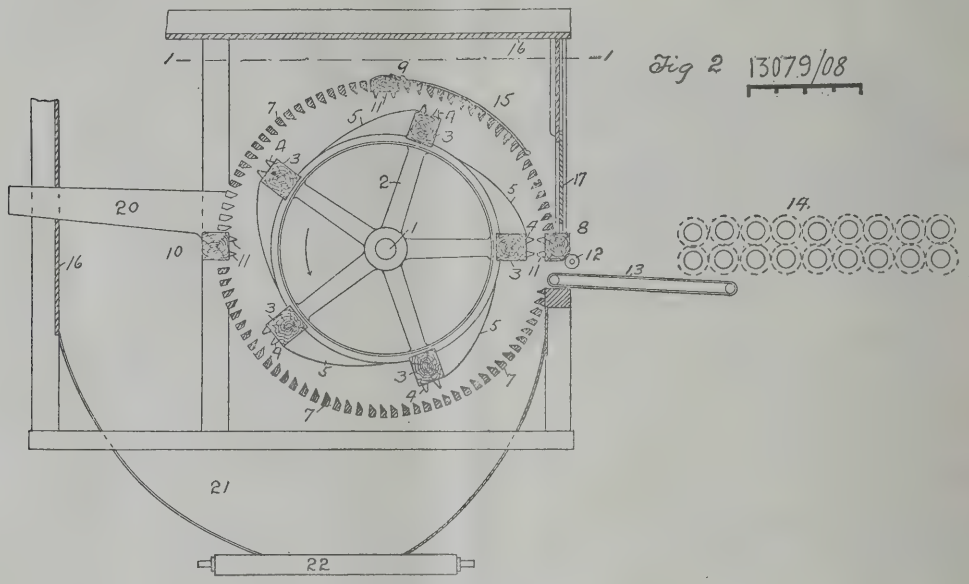
No drawing, 1 claim.

Complete Specifications Accepted—*continued.*

13,079. 19 Nov. J. K. TOLES, California, United States of America.

Class 40.1.

Cleaning fibre: Rotary drum with scutching teeth **4** within a perforated cylinder **7** having fixed teeth **11**.

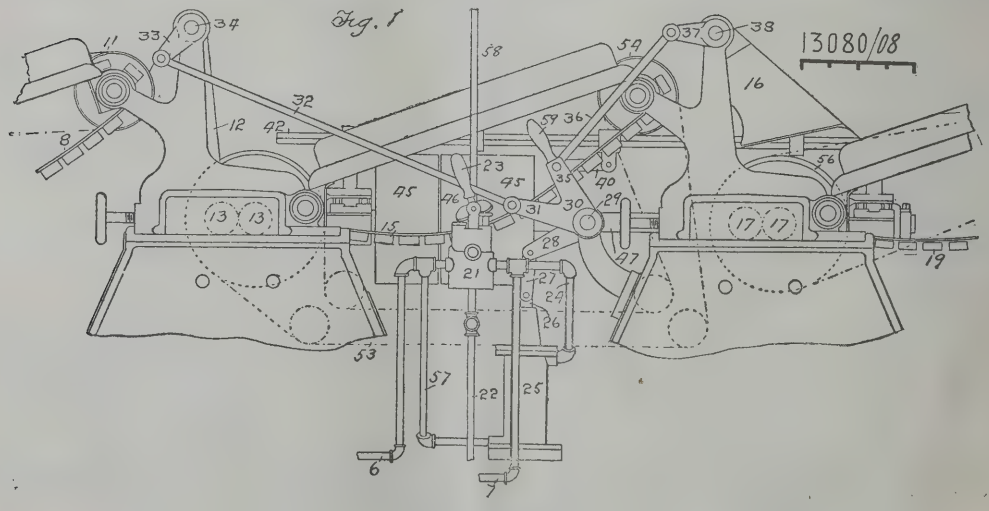


3 figures, 16 claims.

13,080. 19 Nov. J. K. TOLES, California, United States of America.

Class 40.1.

Conveying and reversing fibre stalks: Rolls **13, 17**, cradles **12, 16**, and reversing gear **23, 59**.



3 figures, 15 claims.

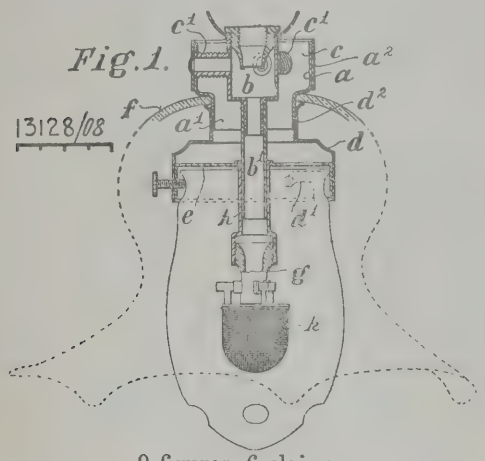
Complete Specifications Accepted—*continued.*

13,128. 25 Nov. L. Zechnall, England.

Sec. 121. G.B., 10,321. 12 May, 1908.

Classes 22.5; 23.5.

Inverted incandescent gas burner. Six modifications.



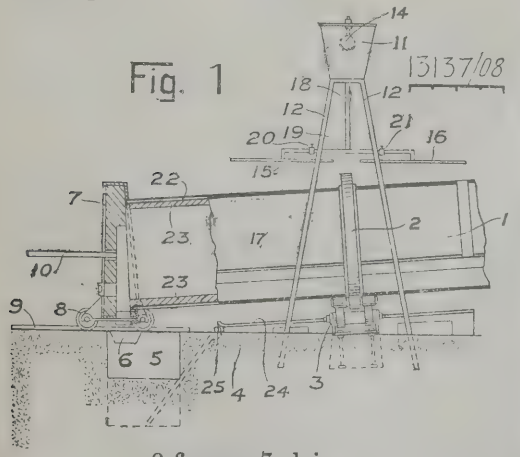
9 figures, 6 claims.

13,137. 26 Nov. F. McK. Allan, New Zealand.

Sec. 121. New Zealand, 24,606. 1 July, 1908.

Classes 16.1; 18.3.

Cooling outside of rotary cement kilns by water jets, and running waste water into clinker pit.

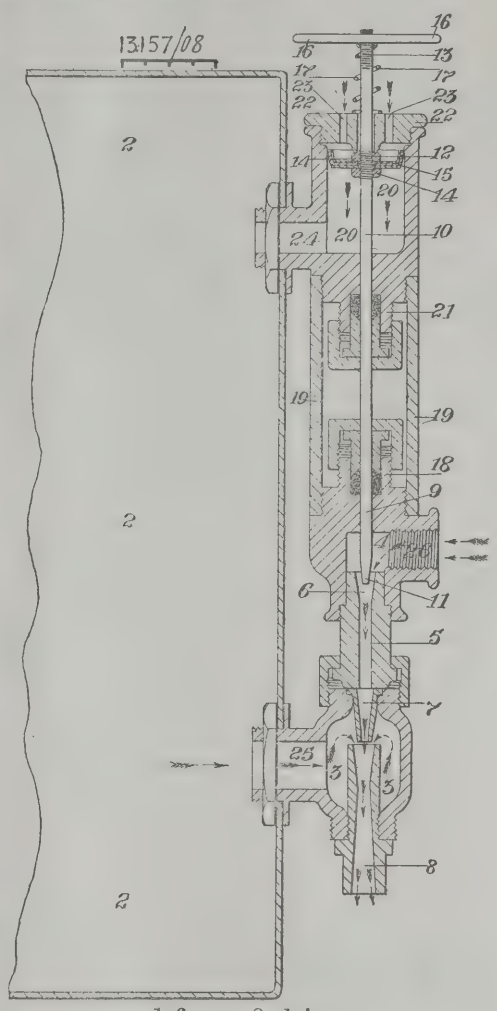


2 figures, 7 claims.

13,157. 28 Nov. W. H. Blackham, Vic.

Classes 36.1; 61.9; 69.1.

Ejector and governor for vacuum chamber of milking machine; excess of vacuum causes piston **14** to descend, cutting off steam at **6**.

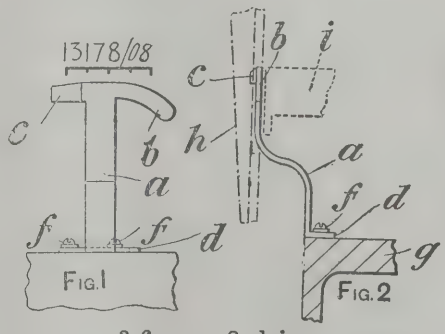


1 figure, 8 claims.

13,178. 1 Dec. H. Thomas, England.

Class 76.8.

Slice or skin support for meat slicing machines.



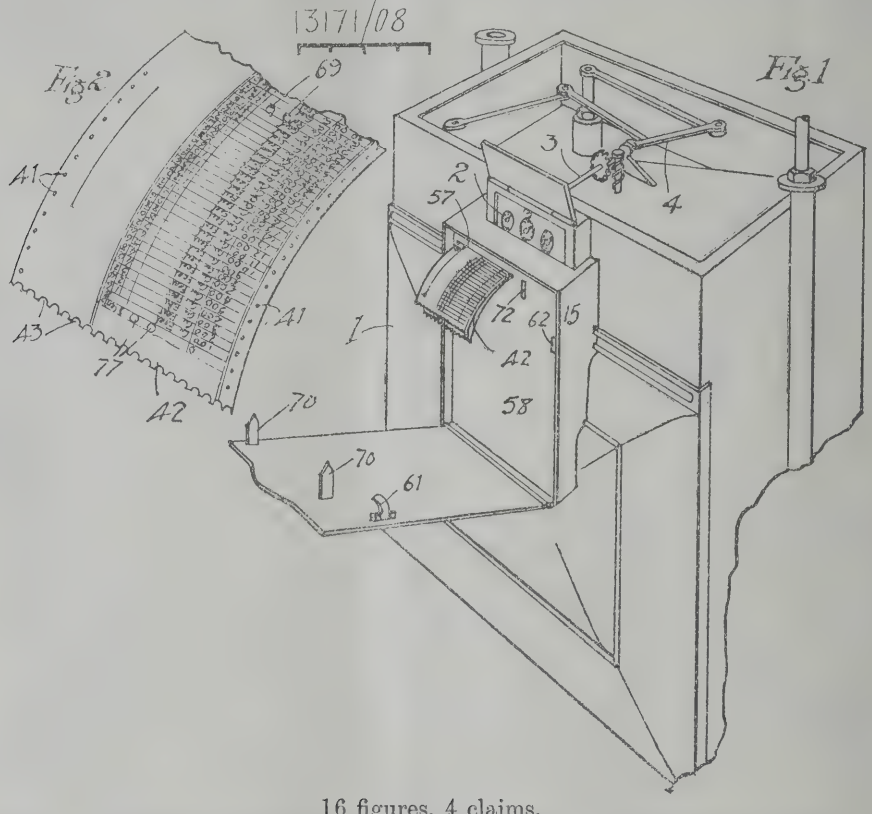
3 figures, 2 claims.

Complete Specifications Accepted—*continued.*

13,171. 30 Nov. R. W. Gallagher, Cal., United States of America.

Class 56.5.

Meter delivery statements: Quantity and cost slips **42** drawn from supply rolls are perforated and torn off on opening outer door, the innermost record slip being retained within casing.

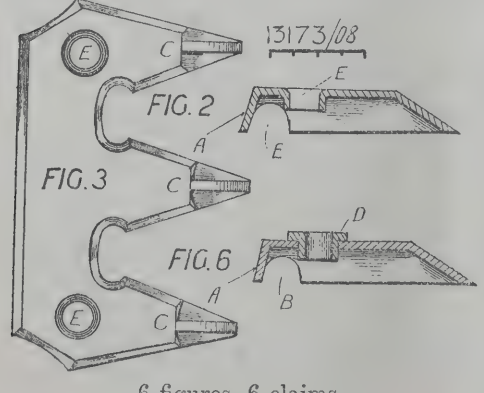


16 figures, 4 claims.

13,173. 30 Nov. W. W. Virtue, New South Wales.

Class 37.6.

Sheep-shear cutter-plate with straight back edge; teeth with broad tops; tubular holes with or without thimbles **D** for fork dowels; vertical sides except near teeth points.

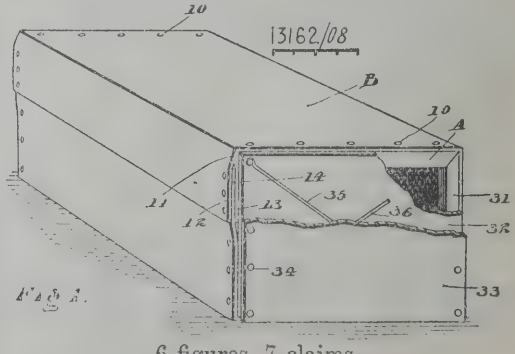


6 figures, 6 claims.

13,162. 30 Nov. J. S. Ferguson and J. Davidson, Canada.

Class 48.5.

Cardboard container: The package has stiff frames **A**, end pieces **32, 33**, reinforced by cross wire stays **35, 36**, and flexible piece **B** (either single or double), to form the four sides; the interlapping flap joints **11, 12, 13, 14**, are of various designs.



6 figures, 7 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

14,023. Hon. Charles Algernon PARSONS, *C.B.*, George Gerald STONEY, Alfred Quintin CARNEGIE, and Albert William BOWERBANK, all of Heaton Works, Newcastle-on-Tyne, Northumberland, Eng., engineers,

Application under Sec. 121.

[Date applied for 19th Mar., 1908, being date of application in G.B., No. 6180/*08*.]

"Improvements in and relating to controlling devices for plant using elastic working fluid."

14,052. Niels Schiern FRIDERICHSEN, Vesterfaelledvej No. 44, Copenhagen, Denmark, mechanical engineer,

Application under Sec. 121

[Date applied for 25th Mar., 1908, being date of application in Denmark, No. 11,715/*08*. Application also made in Sweden, 27th Mar., 1908; Germany, 28th Mar., 1908; Eng., 2nd Apr., 1908; U.S.A., 4th Sept., 1908; Russia, 2nd Dec., 1908; Austria, 12th Dec., 1908; Hungary, 14th Dec., 1908; Finland, 16th Dec., 1908; Switz., 16th Dec., 1908; France, 22nd Dec., 1908; Italy, 22nd Dec., 1908; Canada, 31st Dec., 1908; and Belgium, 4th Jan., 1909.]

"Machine for casting lead seals and the like."

14,056. Emil UTARD and Alexander GIMONET, both of Pinaud Buildings, 5th-avenue, 14th-street, New York, U.S.A., perfumers,

Application under Sec. 121.

[Date applied for 26th Mar., 1908, being date of application in U.S.A., No. 901,757/*08*.]

"Machine for drying bottles."

Printed Specifications Published.

Vols. 25 to 43, comprising Applications numbered from 4800 to 8599 are now complete with title pages, &c.

Vols. 44 to 45 comprise Applications from 8600 to 8999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4800, and many of higher numbers than 9000, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 36.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4620. T. J. GEARY. *Axle lubricator.* Classes 60.9; 93.3.
4621. T. J. GEARY. *Plough share.* Class 30.3.
4622. F. W. E. GABRIEL. *Filter.* Class 28.1.
4624. MACHINE MADE CASKS LTD. (JAMIESON and BURN). *Shaping cask staves.* Class 80.8.
4625. D. HOUSTON. *Acetylene gas generator.* Class 21.89.
4627. J. G. HORSEY. *Lock.* Class 77.3.
4633. A. H. ALLEN. *Burning-off lamps.* Class 23.3.
4634. THE LAMSON PARAGON SUPPLY CO. LTD. (BAILEY). *Paper creasing, severing and delivering.* Class 48.3.
4637. G. HARVEY. *Writing appliance.* Class 49.6.
4778. CHARTERED PATENTS CO. LTD. (J. R. & G. A. PEARSON). *Type casting and setting.* Class 50.5.

1907.

9169. MANUFACTURERS MACHINE CO. (HOOPER). *Boot treeing machines.* Class 44.5.
9357. A. DEW. *Boots and shoes.* Class 44.1.
9515. J. MELVIN. *Signalling.* Classes 04.3; 99.6.
9637. W. HARRISON. *Stamper batteries.* Class 10.2.
9707. C. POTTER. *Filling machines.* Classes 35.3; 36.8; 57.4.
9723. C. G. SMITH (JARRETT). *Stump jumping ploughs.* Class 30.9.
9755. H. C. MITCHELL. *Printing paper.* Classes 48.3; 51.6; 79.3.
9789. H. COCKERILL. *Draft preventer, &c.* Classes 78.8; 81.5.
9838. H. GROB. *Lighting vehicles.* Classes 02.3; 61.9; 96.8.
9949. UNITED SHOE MACHINERY CO. (BATES). *Shoes.* Classes 44.1; 44.5.
9991. J. WILLCOCK. *Refuse boiler furnace.* Classes 16.8; 17.7; 33.1; 63.4.
9999. D. H. SMITH. *Disc plough.* Class 30.7.
10,287. G. KUPFER. *Shaft bearings.* Classes 60.7; 60.9.
10,437. J. E. FELSTEAD (POWELL). *Index books.* Class 48.9.
10,485. AKTIEBOLAGET RÄLSKARFVEN (FAGERSTRÖM and OTHERS). *Rail-joints.* Class 98.1.

1908.

10,867. DAVIES and BELL. *Heading nails.* Classes 61.5; 78.1.
10,950. A. E. W. WATTS. *Composition for floors, &c.* Classes 18.5; 81.7.
10,972. W. R. WILSON. *Ticket, &c., holder.* Class 54.7.
11,117. W. H. WATERS (CHELLIS). *Closures for vessels.* Class 57.5.
11,214. FIAT-SAN GIORGIO LTD. (LAURENTI). *Submarine boats.* Classes 91.6; 92.6.
11,301. BROWNE and STONE. *Silos.* Classes 32.7; 81.2.
11,309. E. SCHMIDT. *Mixing steam and combustion gases.* Classes 00.7; 16.30; 17.4; 17.7; 63.1.

Printed Specifications Published—*continued.*

1908.

11,310. Lynde and Haworth. *Gas production.* Classes 21.4; 74.8.
11,313. S. Gironcoli. *Preserving victuals.* Classes 35.3; 35.7; 35.9
11,328. C. A. Parsons. *Control of heating of motors.* Classes 63.2; 64.2; 67.1; 67.2.
11,369. L. Wirtz. *Clutches.* Class 62.8.
11,379. W. C. J. Schlie. *Wire nails.* Class 78.1.
11,382. J. E. Tatham. *Holding needles to reels.* Classes 00.5; 42.1.
11,395. I. Geary. *Neckwear.* Class 43.6.
11,524. G. G. Turri (Churchill). *Separators.* Class 12.2.
11,528. Clara A. Rickards. *Curling irons.* Classes 04.3; 43.7.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*17th March, 1909.*			
5419	9 Mar.	E. R. H. Edkins ...	Qld.	Fencing dropper ...	138
	1907.				
10,248	18 Nov.	W. F. Brennan ...	N.S.W.	Automatic coupler ...	743
10,572	31 Dec.	P. Miller	Vic.	Removable-pan closet ...	646
	1908.				
11,080	18 Mar.	B. & W. Trewhella ...	Vic.	Gear train	544
11,264	14 Apr.	W. A. Thomson ...	Vic.	Rain gauges	732
12,094	29 July	I. Weir	Vic.	Horses to vehicles ...	508
12,119	31 July	C. Crowley	W.A.	Metallic tyre cover ...	526
	1907.	*18th March, 1909.*			
10,254	18 Nov.	G. & C. Hoskins Ltd. (Hoskins)	N.S.W.	Rolled metal plates ...	743
10,295.	*7 Jan.	G. Küpfer	Chili	Bearings for shafts ...	796
	1908.				
10,624	9 Jan.	W. J. Griffiths ...	Vic.	Railway contact maker ...	683
10,625	10 Jan.	M. J. Higgins & A. R. Cakebread	Vic.	Dust, &c., excluder for doors	662
10,662	16 Jan.	J. F. Cullen	N.S.W.	A T-square scale ...	697
11,508	18 May	W. C. Bray	S.A.	Cartnote book case ..	340

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*18th March, 1909*—continued.			
11,766	*25 June	Lamb & Todd Ltd. (White)	N.S.W.	Displaying and storing curtains	423
	1908.				
11,931	9 July	R. M. Kemp	Vic.	Plough	474
11,970	14 July	H. A. Saunders ...	N.S.W.	Sanitary apparatus ...	476
11,973	14 July	E. N. Waters (Albrecht & Muehleisen)	Germany	Typographical composing machines	476
12,013	20 July	Star Seal Co. (Winter) ...	U.S.A.	Bottle seals	491
	1907.				
12,079	*26 July	H. W. Garratt ...	Eng.	Locomotive engines ...	508
	1908.				
12,274	19 Aug.	J. F. V. V. & F. C. Stöckel	Denmark	Bottle closures	560
12,409	7 Sept.	C. Bethge	Germany	Mixture for flashlights ...	596
12,410	7 Sept.	C. Bethge	Germany	Producing actinic light ...	596
12,546	18 Sept.	G. Harker	N.S.W.	Fumigating ships, &c.	627
	1907.	*19th March, 1909.*			
10,267	19 Nov.	J. E. Bulkeley & C. W. Heyward	Vic.	Acetylene gas generator ...	797
		20th March, 1909.			
10,273	20 Nov.	A. Petracchi	Italy	Concrete	744
		22nd March, 1909.			
10,276	21 Nov.	A. M. McIntosh ...	N.S.W.	Mouth-gag for surgeons ...	321

* Date granted under Sec. 121.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

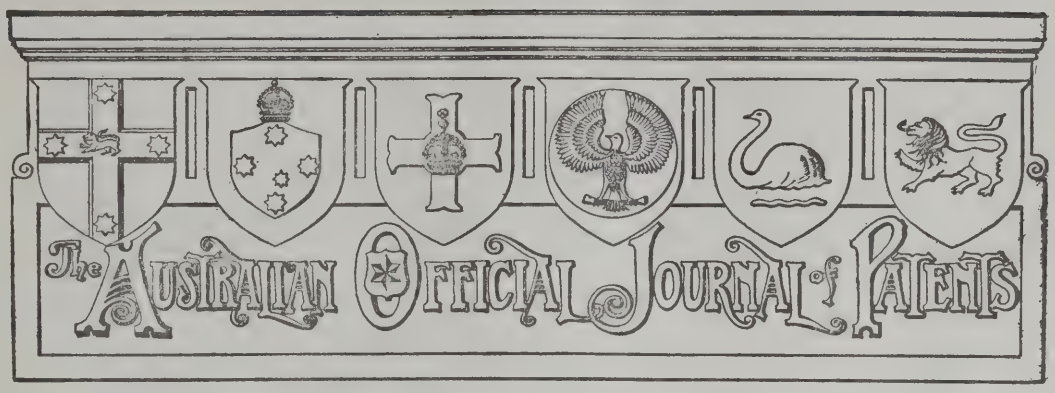
Renewal Fee Paid

1902.

No.	Name.	Paid up to –
4143 ...	Marconi, G., and Marconi's Wireless Telegraph Co. Ltd.	3rd May., 1916

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Deputy Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

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This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

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The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	Issued 19 Jan., 1909
,, B, Names	,, 26 Jan., 1909
,, C, Classification	,, 16 Mar., 1909
,, D, Numerical	,, 23 Mar., 1909
,, E, States Proceedings	

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
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Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
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25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
29. On application for entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent ...	1	0	0
30. On application to alter name or address in Register	0	10	0
31. On application to correct clerical error in Register	0	10	0
32. On application to correct clerical error, before sealing	0	5	0
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36A. For office copies of drawings (according to agreement).			
37. For examination of drawings or sun prints, not made in the office, but never less than One shilling per sheet	0	0	6
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40. Search or inspection fee ... each	0	1	0
41. Annual search fee	5	0	0
42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

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Vol. 10.] 1909. [No. 13.
(WITH SUPPLEMENT).

Tuesday, 6th April.

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THE Australian Official Journal of Patents.



Notices.

Applications Received, 14,076 to 14,164.

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C.3925.

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Further information and particulars obtainable from—

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VOL. 10.] 6TH APRIL, 1909. [No. 13.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Public Holidays	249
Payment of Acceptance and Sealing Fees ...	249
Commonwealth—	
Applications Received	250
Provisional Specifications Accepted ...	255
Complete Specifications after Provisional ...	255
Applications (Prov.) Lapsed	256
Assignments Registered...	257
Complete Specifications Accepted ..	257
Illustrated Notes	258
Specifications open to Public Inspection before Acceptance	265
Commonwealth—*continued.*	Page
Printed Specifications	266
Printed Specifications Published	269
Letters Patent Sealed	271
Victoria—	
Renewal Fees Paid	271
Queensland—	
Renewal Fees Paid	271
South Australia—	
Renewal Fee Paid	272
Assignment Registered	272
Tasmania—	
Renewal Fee Paid	272

NOTICES.

Public Holidays.

The Patent Office, Melbourne, will be closed on the 9th, 10th, 12th, and 13th April, 1909, Easter Holidays; also 26th April, 1909, Eight Hours Day. *Journal* No. 14 will be published on the 20th April, 1909.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.3925

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 25th to 31st March, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 25th March.

14,076. *Comp.* Norman Taylor Harrington, Lansing, Ingham, Mich., U.S.A., mechanical engineer,

"Improvements in explosion engines."

14,077. *Comp.* James Benjamin Seager, foot of Chesnut-street, Lansing, Ingham, Mich., U.S.A., mechanical engineer,

"Improvement in carburetors."

14,078. *Prov.* Harry Godfrey Wells, 29 Primrose-street, Moonee Ponds, Vic., draper, and Alexander Anderson, 14 Scott-street, East St. Kilda, Vic., wool-classer,

"Improvements in the manufacture of jute bagging."

14,079. *Prov.* Ernest Moss, mechanic, and Ernest Mayes, traveller, both of 179 Hereford-street, Christchurch, N.Z.,

"Improved means for impressing or stamping a cheque or the like with the predetermined amount of its value in order to prevent fraudulent use thereof."

14,080. *Prov.* Allan Lloyd McLean, Claude-road, Sheffield, Tas., labourer,

"An improved apparatus for cutting potato sets and for planting the same."

14,081. *Comp.* Maximillian Charles Schweinert, 226 Palisade-avenue, West Hoboken, New Jersey, U.S.A., manager, and Henry Phillip Kraft, 582 Decatur-street, Brooklyn, New York, U.S.A., superintendent,

"Improvements in or relating to stoppers, syringe nozzles and the like."

14,082. *Prov.* William Towt, Lilydale, Vic., farmer,

"Improvements in wire strainers."

14,083. *Comp.* Charles Barnard Askew, Chicago, Cook, Ill., U.S.A.,

"Dredge."

14,084. *Comp.* Benjamin Hastings, 311 Third-street, Barberton, Ohio, U.S.A., mechanical engineer,

"Improvements in rock drills."

14,085. *Comp.* John Blake, Otakeho, Taranaki, N.Z., farmer,

"An improvement in teat cups of milking machines."

14,086. *Prov.* Edward Ryan, engineer, and John Langtree Reilly, surveyor, both of 159 Queen-street, Melbourne, Vic.,

"Improved liquid mixture for spreading on streets or roads for minimising or preventing dust and preserving them."

14,087. *Prov.* Francis Thomas Ward, 55 Corona-avenue, Waverley, N.S.W., traveller,

"An improved folding bedstead."

14,088. *Prov.* William Chandos Wall, Mudgee, N.S.W., mining agent,

"The automatic hot blast furnace."

14,089. *Comp.* The Lacoste Ship Brake Company Limited, 7 Place d'Arms, Montreal, Quebec, Canada, dealers, *assignee of* Louis Lacoste, *act. inv.*, gentleman, same address,

"Improvements in ship brakes."

Applications received, 25th to 31st March—*continued.*

14,090. *Prov.* Robert Edgar Herbert Lamb, 925 Sturt-street, Ballarat, Vic., carpenter,

"An improved device for temporarily holding in position doors, window sashes and the like during adjustment."

14,091. *Prov.* Charles Clayton, engineer, c/o Griffith and Hassel, 163 King-street, Sydney, N.S.W.,

"An improved system of displaying advertisements and the like by means of mirrors or other reflectors."

14,092. *Prov.* John Filshie, school teacher, and Francis Edward Norman, watchmaker, both of Wyong, N.S.W.,

"The daylight cinematograph tent."

14,093. *Prov.* George Montague Bowser, Harcourt-street, Brisbane, Qld., contractor,

"An apparatus for guttering or grooving rock and stone."

14,094. *Comp.* Horace Cannon, 67 Newman-street, Oxford-street, London, W., Eng., teacher of languages,

"Means for facilitating the study of geography."

14,095. *Comp.* Edwin Burt, El Oro, Estado Mexico, Mexico, mining engineer,

"Filters."

14,096. *Comp.* Richard Henry Goldsborough, Richmond Hotel, Washington, Columbia, U.S.A., attorney-at-law,

"Improvements in turbines."

14,097. *Comp.* Mortimer Lawrence Sweeney, *act. inv.*, 505 West 140-street, and Charles Henry Treat, *assignee*, 54 West 40-street, both of New York, U.S.A., gentlemen,

"An improved cable or telegraph code."

14,098. *Comp.* Alfred Emanuel Lindau, National Bank of Commerce Building, St. Louis, Miss., U.S.A., civil engineer,

"Bar for reenforcing concrete."

14,099. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer, *assignee of* James Cavanagh, *act. inv.*, 50 Bicknell-street, Dorchester, Boston, Mass., U.S.A., inventor, and Patrick Henry Doherty, *act. inv.*, Avon, Norfolk, Mass., U.S.A., commercial traveller,

"Improvements in or relating to boots and shoes and to methods of making them."

14,100. *Prov.* Quentin Woodbury Booth, 22 Brown's Race, Rochester, Monroe, New York, U.S.A., manufacturer, *assignee of* Louis William Garnett Flynt, *act. inv.*, 126 Warwick-avenue, Rochester, Monroe, New York, U.S.A., machinist,

"Improvements in or relating to machines for skiving leather and the like."

14,101. *Comp.* John Baptiste Sauve and Frank Bernardi, Mokelumne Hill, Calaveras, Cal., U.S.A., miners,

"Electrical fuse spitter."

14,102. *Comp.* Ingersoll-Rand Company, 11 Broadway, New York, U.S.A., manufacturer, *assignee of* Arthur Henry Gibson, *act. inv.*, Easton, Northampton, Penn., U.S.A., electrical engineer,

"Improvements in pulsators."

14,103. *Comp.* Ingersoll-Rand Company, 11 Broadway, New York, U.S.A., manufacturer, *assignee of* Arthur Henry Gibson, *act. inv.*, Easton, Northampton, Penn., U.S.A., electrical engineer,

"Improvements in mining machinery."

14,104. *Comp.* William John Murray, 256 Wellesley-street, Toronto, York, Ontario, Canada, manager,

"Improvements in ball bearings."

14,105. *Comp.* Charles Sumner Brown, Nashville, Tennessee, U.S.A., professor,

"Improved method and means for separating fluids having different densities."

14,106. *Prov.* John Pomeroy, *act. inv.*, 163 Franklin-street, West Melbourne, Vic., inventor; Edwin Wood, *assignee*, The Grange, Hawthorn, Vic., merchant; and John Turner, *assignee*, "West Hallam," Lennex-street, Moonee Ponds, Vic., investor,

"An improved rotary bottle washer applicable also to other hollow vessels."

Applications received, 25th to 31st March—*continued.*

14,107. *Prov.* George William BERRY, 601 Mount Alexander-road, Moonee Ponds, Vic., mechanic,

"Improvements in closets."

Friday, 26th March.

14,108. *Prov.* Matthew BELK, Palmerston North, N.Z., engineer,

"New or improved means for branding carcases of sheep and other stock."

14,109. *Comp.* Albert GREENHAM, Spring Dale, Boyanup, W.A., farmer and grazier,

"Lamb's tailing and searing apparatus."

14,110. *Prov.* James MANGNALL, 97 Glenferrie-road, Glenferrie, Vic., tailor and mercer,

"Improvements in, or relating to, umbrellas or the like."

14,111. *Prov.* James Lowe PHEGAN, Woy Woy, N.S.W., freeholder,

"Improved blade shield for oars and sculls."

14,112. *Prov.* Petrus Van Lanschott ALKEMADE, 440 Flinders-street, Melbourne, Vic., lime merchant,

"An improved check valve appliance for the inflating tube of football bladders, punching balls, air cushions and the like."

14,113. *Prov.* Arthur Harry WRIGHT, "Grahamstaadt," Harvey-street, Malvern, Vic., commercial traveller,

"A mechanically operating advertising novelty display combination device for advertising commercial & educational purposes."

14,114. *Comp.* WORLD MAILING CASE COMPANY, Call Building, San Francisco, Cal., U.S.A., manufacturer, *assignee of* Homer Louis GRAY, *act. inv.*, Alameda, Cal., U.S.A., manufacturer,

"An improved mailing tube."

14,115. *Comp.* Thomas Luther GREEN, Indianapolis, Ind., U.S.A., manufacturer,

"Improvements in biscuit cutting machines."

14,116. *Comp.* Thomas Luther GREEN, Indianapolis, Ind., U.S.A., manufacturer,

"Improvements in sheeter or bar machines."

14,117. *Comp.* Thomas Luther GREEN, Indianapolis, Ind., U.S.A., manufacturer,

"Improvements in wire-cut soft cake machines."

Saturday, 27th March.

14,118. *Prov.* Charles Leslie DE JERSEY, 252 Canning-street, North Carlton, Vic., engineer,

"Improvements in paper bag making machines by mechanism for inserting card or like bottoms."

14,119. *Comp.* Henry STONE, 3 Urquhart-street, Northcote, Vic., bootmaker,

"An improved boot and legging combined."

14,120. *Prov.* William HASLAM, corner of Smith-street and Victoria-parade, Fitzroy, Vic., engineer,

"An improved attachable resilient heel for boots and shoes."

Monday, 29th March.

14,121. *Prov.* Robert Sands FREARSON, Currie-street, Adelaide, S.A., publisher,

"An improved coupling or joining device for hoses."

14,122. *Prov.* Charles Henry SAWYER, groom and gardener, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improvements in means for displaying advertisements."

14,123. *Prov.* Hedley Frank DAY, Amy-street, Wolseley, near Croydon, S.A., shop manager,

"Improved water wheel or motor."

14,124. *Prov.* Arthur Massey MAKINSON, Holder, River Murray, S.A., fruit-grower, and Herbert DENNIS, Young-street, Adelaide, S.A., machinist,

"An improved smoke producing apparatus for the prevention of injury by frost to agricultural and horticultural products."

Applications received, 25th to 31st March—*continued.*

14,125. *Prov.* Robert Oxlade and Arthur Allan Oxlade, both of East Esplanade, Manly, N.S.W., electrical engineers,

"Improvements in the manufacture of certain classes of primary electric batteries."

14,126. *Prov.* William Thomas Dayton, 74 Oxford-street, Woollahra, N.S.W., masseur,

"Automatic weighing machine."

14,127. *Prov.* Albert Henry Sims, High-street, Echuca, Vic., butter factory proprietor,

"Improved combined churn and butter worker."

14,128. *Prov.* Charles Crowley, 177 Fitzgerald-street, Perth, W.A., gentleman,

Application under Sec. 85, additional to 12,119/08.

"An improved band for attachment to metallic covers for rubber tyres and such like."

14,129. *Prov.* Daniel Smith Columbus Topp, 68 Shaftesbury-parade, Northcote, Vic., saddler,

"A new mode of connection between inflater and valve of tube to be inflated of cycles and the like."

14,130. *Prov.* Peter Olsen, *act. inv.*, Sherwood, Qld., stockman, and Edward Garland Abell, *assignee*, 159 Queen-street, Brisbane, Qld., patent attorney,

"An improved rain protected hammock."

14,131. *Prov.* William Wilberforce Devine, Nundle, N.S.W., bicycle agent,

"The Devine portable water system."

14,132. *Prov.* Rudolph S. Papprill, 329 Queen-street, Brisbane, Qld., consulting engineer,

"A mechanical cane harvester."

14,133. *Prov.* Rudolph S. Papprill, 329 Queen-street, Brisbane, Qld., consulting engineer,

"A mechanically operated disc plow."

14,134. *Prov.* George William Apps, 88 Carlisle-street, St. Kilda, Vic., undertaker,

"Candle and match box (combined)."

Tuesday, 30th March.

14,135. *Comp.* Charles Ryan, Redan-street, Mosman, N.S.W., temporarily of No. 5 Cowley Mansions, Cowley-road, Brixton, London, Eng., teacher of shorthand and typewriting,

"An improved detachable shirt collar."

14,136. *Prov.* William Edgar Goss, 776 Hay-street, Perth, W.A., manufacturer,

"Improved acetylene gas generator."

14,137. *Prov.* George Tomlinson, Ferguson-avenue, Maylands, W.A., engineer,

"An improved door stop and holder."

14,138. *Prov.* Ada De Baun, Wahroonga, West Guildford-road, Mt. Lawley, W.A., married lady,

"Improved gold saving machine."

14,139. *Prov.* Charles Beaton, Thundelarra, *viâ* Yalgoo, W.A., pastoralist,

"Improved float operated supply valve for animal drinking troughs."

14,140. *Prov.* Joseph Hesketh, Bellvue, W.A., brickmaker,

"Improved continuous brick kiln."

14,141. Frederick Dashwood, 20 Binfield-road, Clapham, London, Eng., clerk of works,

Application under Sec. 121

[Date applied for 16th Nov., 1908, being date of application in G.B., No. 24,588/08.]

"Improvements in bricks and other building blocks."

14,142. *Comp.* Doctor Wilhelm Peukert, 4 Jerusalemstrasse, Brunswick, Germany, professor,

"Apparatus for producing electrical oscillations of high frequency."

14,143. *Comp.* John Francis Cooley, *act. inv.*, 316 Hudson-street, New York, U.S.A., mechanical engineer, and Walter Ball, *assignee*, Navy Yard, Boston, Suffolk, Mass., U.S.A., naval officer,

"Improvements in mechanical movements."

Applications received, 25th to 31st March—*continued.*

14,144. *Comp.* Edward Christopher Blackstone, Frank Carter, and Eyershed Carter, all of Rutland Iron Works, Stamford, Lincoln, Eng., engineers,

Application under Sec. 121.

[Date applied for 29th Aug., 1908, being date of application in Great Britain.]

"Improvements in internal combustion engines."

14,145. *Comp.* The British Westinghouse Electric and Manufacturing Company Limited, Westinghouse Building, Norfolk-street, Strand, London, Eng., manufacturer, *assignee of* Percy Stuart Turner, *act. inv.*,

"Improvements in or connected with electric braking."

Wednesday, 31st March.

14,146. *Comp.* Cyril Skinner Dunne, Post Office, Grafton, N.S.W., postal assistant,

"Drinking attachment for bottles."

14,147. *Prov.* Edward Halley, 20 Lansdowne-street, East Melbourne, Vic., driver,

"Measured milk billy can."

14,148. *Prov.* Thomas Charles Marr, 385 Nicholson-street, North Carlton, Vic., box cutter,

"Cardboard airtight carton."

14,149. *Comp.* Robert William Ralph, 163 Rosebery-avenue, Manor Park, London, Eng., electrical and mechanical engineer,

"Improved means for displaying pictures, advertisements and other notices or announcements."

14,150. *Prov.* Reginald Waldon, a'Beckett-street, Granville, N.S.W., driller,

"Improvements in sound boxes for gramophones and like instruments."

14,151. *Comp.* George Vincent Barton, "Shirley," Queen's Drive, Mossley Hill, Liverpool, Lancashire, Eng., chemical manufacturer,

"Improvements in salts or oxides of lead."

14,152. *Prov.* Eli James Clark, Alfred-street, Parkside, S.A., engineer, and Mendel Finkelstein, Bank-street, Adelaide, S.A., electrician,

"Improved automatic carburetter."

14,153. *Prov.* Reinhold Emil Kaesler, Hahndorf, S.A., wheelwright,

"Improvements in screw propellers."

14,154. *Prov.* Albert William Omond, 135 Arnold-street, Bendigo, Vic., cabinetmaker,

"Sealed sanitary closet."

14,155. *Comp.* Richard Bellenger, Balara, Quirindi, N.S.W., farmer,

"Improvement in hoops for milk cans, tubs, buckets and like vessels."

14,156. *Prov.* William Kendall, 20 Hampton-street, Balmain, N.S.W., engineer,

"Kendall's six-cycle oil engine."

14,157. *Prov.* Laura Greatorex, domestic duties, c/o T. C. Allen, 127 King-street, Sydney, N.S.W.,

"A non-refillable bottle."

14,158. *Prov.* Frederick John Paris, 22 Waterloo-street, Balmain, N.S.W., sanitary inspector,

"The storm water safety drain pipe."

14,159. *Prov.* Charles Upton Tripp Burke, Wilton, *viâ* Maldon, Main Southern Line, N.S.W., farmer,

"Loyalstones ant banisher."

14,160. *Comp.* William Alexander Moir, 67 Liverpool-street, Paddington, N.S.W., clerk,

"Open crank-case two cycle motor."

14,161. *Prov.* Eliza May, 47 Goodhope-street, Paddington, N.S.W., domestic duties, *communicatee of* Edwin George May, *act. inv.*, Aston, near Birmingham, Eng., builder,

"An improved door holder."

14,162. *Prov.* Tom Woolley, 63 Tasman-street, Wellington, N.Z., carpenter,

"An improved cramp for use in fixing match boarding and the like."

14,163. *Prov.* Henry Joseph O'Neill, 374 Albert-street, East Melbourne, Vic., scientist,

"An appliance for adjustably supporting photographic printing frames."

14,164. *Comp.* Harry Wood Downing, Gloucester-street, Christchurch, Canterbury, N.Z., saddler,

"Improved method of and apparatus for constructing saddle trees."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

12,544. Cornell, J.

1909.

13,468. Guest, A. J.
13,503. Thomas, L., & Foristal, J.
13,576. Bissaker, R. A.
13,585. de Lutwyche, J.
13,702. Clemesha, W.
13,710. Reilly, J. G.
13,725. Pomeroy, J.
13,726. Carson, A.
13,731. Smith, J.
13,732. Kenny, T. J. W.
13,737. Orenshaw, C.
13,739. McDonough, T.
13,740. Geake, W. H. G.
13,746. Thyer, J. E., & East, R. C.
13,756. McKay, H. V. (Frazer & Richards)
13,757. McDonough, T.
13,766. Williams, A. A.
13,772. Payne, A. J. F.
13,784. Ross, H., & *Davis*, J.
13,785. Bathgate, R.
13,787. Silver, W.
13,792. Easdown, R. H.
13,819. Un. Shoe Mach. Co. (Smith)
13,852. King, R.
13,895. Nott, J. A., Testro, J. C., & Dondey, A.
13,945. Cronin, F. B.
13,959. Hunt, P. C. H.
13,960. Hunt, P. C. H.
13,972. Kinnear, G. E.
13,975. McDonald, H. E.
13,989. Armitage, E.
14,013. Grant, G.
14,025. Govett, H. V.
14,030. Ware, C. & S.
14,032. Green, Annie

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,599. Francis Ernest Piesse, Traverse-street, Wagin, W.A., farmer and blacksmith,

"Improvements in rifle sights." 26th Mar., 1909.

11,619. Donald Malcolm McLeod, Whyte-Yarcowie, S.A., station manager,

"Improvements in sheep shearing machines." 27th Mar., 1909.

11,701. William Job Howcroft, Granville-street, West End, Brisbane, Qld., pattern maker,

"A new appliance for checking the propeller on ships." 25th Mar., 1909.

11,702. William Job Howcroft, Granville-street, West End, South Brisbane, Qld., pattern maker,

"A new apparatus for regulating hot and cold air." 25th Mar., 1909.

11,842. Thomas Charles Marr, 385 Nicholson-street, North Carlton, Vic., cardboard box cutter,

"Cardboard 'carton.'" 27th Mar., 1909.

11,857. Charles Grant Merkley, 227 Harris-street, Pyrmont, N.S.W., engineer, *assignee of* Phillip Price, *act. inv.*, of Gladstone-street, Burwood, N.S.W., engineer,

"An improved machine for forming metal fencing droppers, standards, and the like." 25th Mar., 1909.

11,878. Francis Malley, Liverpool and Kent streets, Sydney, N.S.W., manufacturing iron and metal worker, and George Brennan, 5 Rainford-street, Sydney, N.S.W., gas engineer,

"Improved apparatus for time control of liquid outflow." 31st Mar., 1909.

11,901. Joseph McKay Sutherland, 78 George-street, Camperdown, N.S.W., gentleman,

"Improvements in and connected with opening and closing apparatus for field or other gates." 30th Mar., 1909.

Complete Specifications lodged after Provisional Specifications—*continued.*

12,273. John Drysdale, 241 Liverpool-street, Hobart, Tas., inventor,

"Improvements in automatic acetylene gas generators." 29th Mar., 1909.

12,571. Albert John Fortescue, Arncliffe, N.S.W., manufacturer,

"Improvements in devices for connecting the ends of metal tyres." 29th Mar., 1909.

13,201. Harald Skjalm Bang, Tarwonga, *viâ* Williams, W.A., farmer,

"Sanitary pad for closet seats." 30th Mar., 1909.

1909.

13,447. John Henry Jenkins and Arthur Horatio Baker, both of "Rhodesia," 19 Arthur-street south, Lavender Bay, N.S.W., advertising contractors,

"A device for presenting to view in an improved manner illustrated and literary matter in progressive serial order." 25th Mar., 1909.

13,617. Walter Levinson, 9 Beaconsfield-parade, St. Kilda, Vic., manufacturers' agent,

"An improved cigarette holder." 27th Mar., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,551. Henderson, E.
11,573. Lang, W. R.
11,574. Moller, E. J., & Fleming, G. T.
11,576. McKeon, W. J.
11,577. Barker, F. A.
11,580. Guthrie, A.
11,581. Bolger, E. M.
11,582. Holloway, H. J. & W. H.
11,583. Haslam, W.
11,587. Kerr, H. H.
11,592. Ridoutt, Ruby E.
11,594. Silverstone, Harriet
11,596. Bartlett, T. V., & Houlden, R.
11,598. Wilson, J.
11,600. Forrester, O. J. A.
11,601. Bartlett, T. V., & Houlden, R.
11,603. Walkerden, W.
11,604. Rose, J. H.
11,607. Magnus, E. R.
11,608. Caught, J. N.
11,609. Bartlett, T. V., & Houlden, R.
11,611. Walsh, N. W. J.
11,612. Angus, C.
11,614. Nicholas, A. M.
11,615. Hamdorf, F. W.
11,616. Alkemade, P. V. L.
11,618. Blackwell, F.

Assignments Registered.

1905.

3031. "Improvements in or relating to plate clutches."

Assignment of the whole *by* Albert De Dion and Georges Bouton *to*

De Dion Bouton (1907) Ltd. Dated 18th Feb., 1909. Registered 25th Mar., 1909.

1906.

5055. "A portable bakers oven."

Assignment of the whole *by* Charles Frederick Fox Allan *to*

Mauri Brothers and Thomson Limited. Dated 18th Dec., 1908. Registered 25th Mar., 1909.

5956. "A composition used for the manufacture of trays boxes for butter and the like."

Assignment of the whole *by* Arthur James Jodrell Bolton *to*

The Clarozite Manufacturing Company Limited. Dated 15th Jan., 1909. Registered 24th Mar., 1909.

1907.

8502. "An improved process for the treatment of non self fluxing cupriferous argentiferous and auriferous ores."

Assignment of the whole interest *made by* Bakers Mining and Ore Treatment Company Limited and Stephen Mallarky, receiver of said company, *to*

William David Johnston, William Willcoxson, and Edward Guy Blake Gerard. Dated 20th Jan., 1909. Registered 25th Mar., 1909.

9556. "Improvements in rock drilling machine chucks."

Assignment of the whole *by* Lewis Condict Bayles *to*

Ingersoll-Rand Company. Dated 9th Dec., 1908. Registered 24th Mar., 1909.

9677. "Improvements in the manufacture of filaments for incandescence electric lamps."

Assignment of the whole *by* "Z" Electric Lamp Syndicate Limited *to*

The "Z" Electric Lamp Manufacturing Company Limited. Dated 17th Feb., 1909. Registered 25th Mar., 1909.

10,022. "Improvements relating to the manufacture of filaments for electric incandescent lamps."

Assignment of the whole *by* Charles Nicholas Collison *to*

The "Z" Electric Lamp Manufacturing Company Limited. Dated 17th Feb., 1909. Registered 25th Mar., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,125.	Card.	11,451.	Priest.	12,840.	Moscicki.	13,064.	Richmond.
11,135.	Engberg.	11,494.	Gargett.	12,934.	Bancroft.	13,161.	Spear.
11,198.	Dawson.	11,530.	Priest.	12,943.	English.	13,186.	Waechter.
11,358.	Charley.	11,738.	Robb.	12,967.	Hughes.	13,239.	Smith.
11,422.	Sangster.	11,776.	Behringer.	12,968.	Hughes.	13,383.	Elmore.
		11,967.	Purser.	13,010.	von Post.		

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Complete Specifications Accepted—*continued.*

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

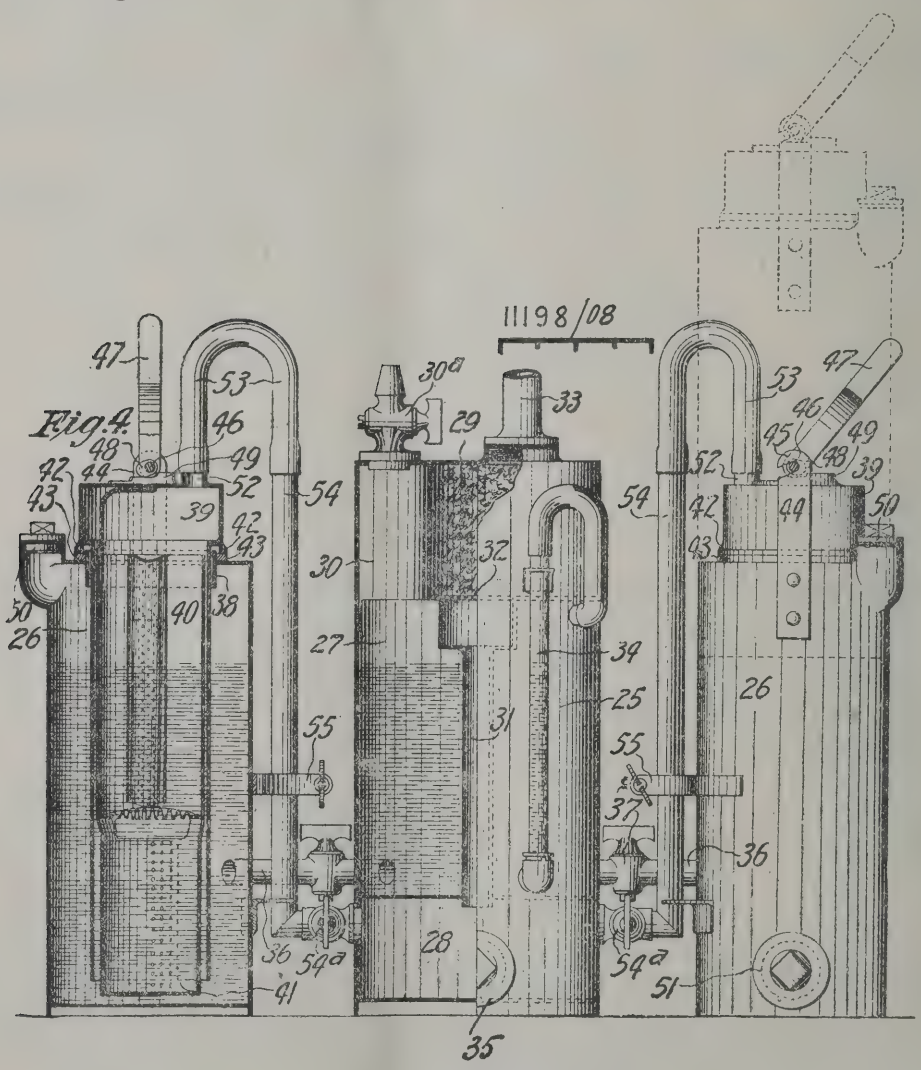
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

11,198. 4 Apr. B. F. H. Dawson, Victoria.

Classes 21.80; 21.81.

Acetylene gas: Preventing rapid generation by addition of treacle, &c., to the water. Generator with carbide holder in bottomless cylinder, surrounded by liquid, &c. Purifying pad. Three designs.



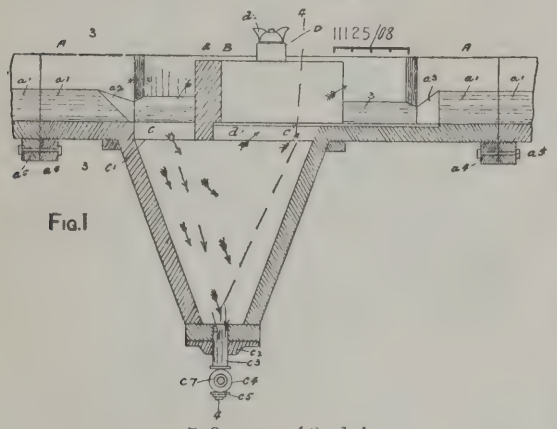
7 figures, 12 claims.

Complete Specifications Accepted—*continued.*

11,125. 24 Mar. N. Guthridge (W. L. Card, Victoria).

Classes 12.1; 12.2.

The combination with a launder and up-current classifier, of an interposed expansion chamber, and a shield or jetty which controls the in-take leading from the expansion chamber to the classifier.

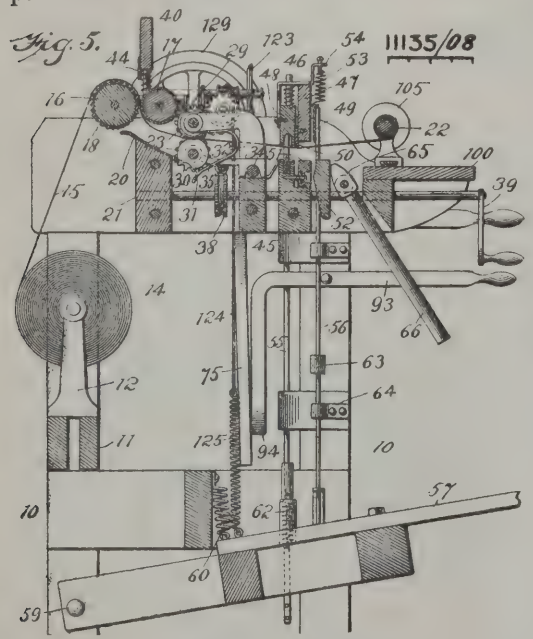


5 figures, 18 claims.

11,135. 25 Mar. J. B. Patton (E. O. Engberg, Utah, United States of America).

Classes 46.6; 56.4.

Machine for making fabric window shades; rolling up, cutting, measuring, and folding up end for lath; nailing and sewing manually performed.

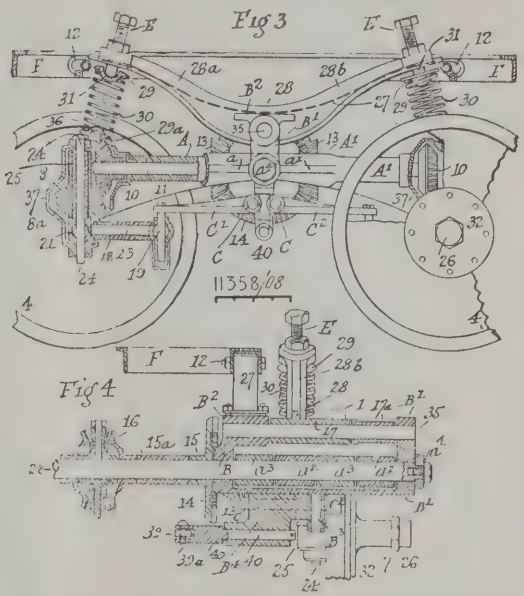


21 figures, 14 claims.

11,358. 25 Apr. J. J. Charley, Victoria.

Classes 95.7; 95.9.

Motor cars, &c.: To increase resiliency, eight wheels are arranged in tandem pairs, each wheel fixed to an arm **A** hinged to cross shafts **22**; shock absorbing springs **30** are supported by spring beam **28** pivoted at **35** to main frame springs **27**; all wheels are driven by bevel gear, and steered by levers **C**[1] and rods **39**.

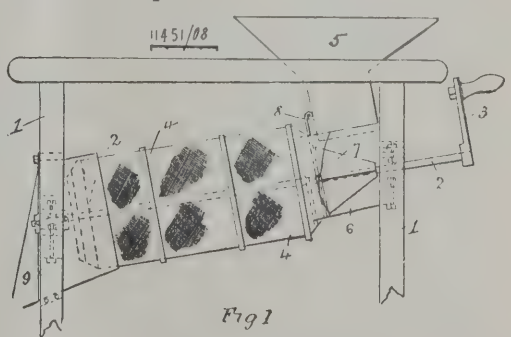


6 figures, 17 claims.

11,451. 9 May. S. Priest, Tasmania.

Class 32.6.

Cleaning and grading seed, &c.: Inclinably mounted trommel sieve feed hopper, regulating valve; hand operated.



4 figures, 2 claims

Complete Specifications Accepted—*continued.*

11,422. 5 May. W. B. SANGSTER, Victoria.

Class 71.2.

Drop-hammer: Manually operated; hammer **16** running in V-grooved guides **7**, having retaining bars **12**, is raised by handle **29** on chain or belt **28**; anvil dies are shown in Fig. 2.

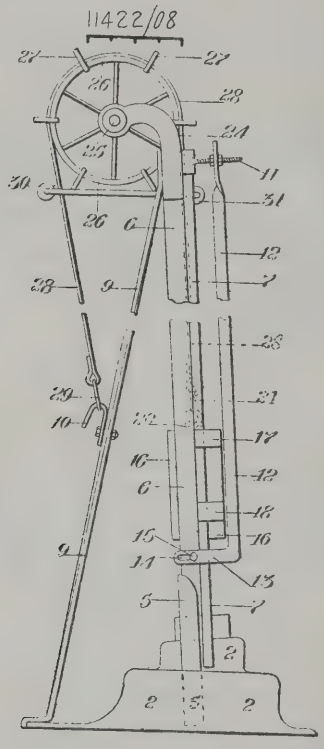


Fig. 1.

3 figures, 3 claims.

11,530. 19 May. S. PRIEST, Tasmania.

Class 39.3.

Clock operated feed hopper: Pinion on clock gears with rack, which opens valve on hopper, delivering into feed box.

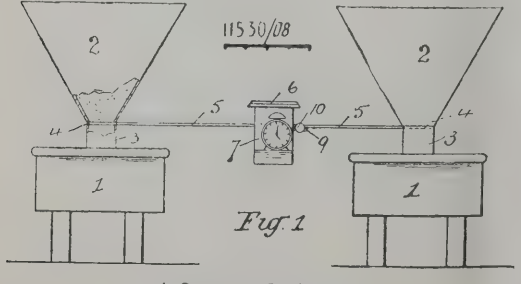


Fig. 1

4 figures, 3 claims.

11,494. 14 May. P. J. GARGETT, Queensland.

Class 91.2.

Cleaning bottom and sides of ships: Slung frame with seat **M**; trolly makes contact with hull by electro magnets.

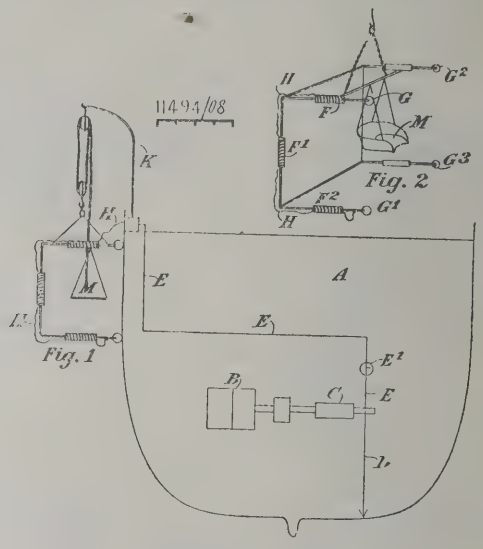


Fig. 2

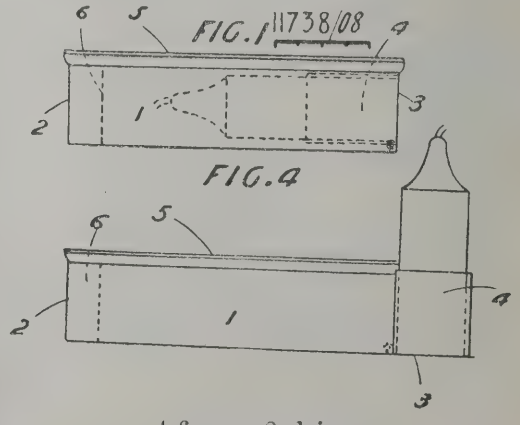
Fig. 1

3 figures, 2 claims.

11,738. 16 June. P. R. ROBB and G. A. BIRCH, New Zealand.

Class 22.1.

Pocket candle case with candle socket hinged to fold into case.



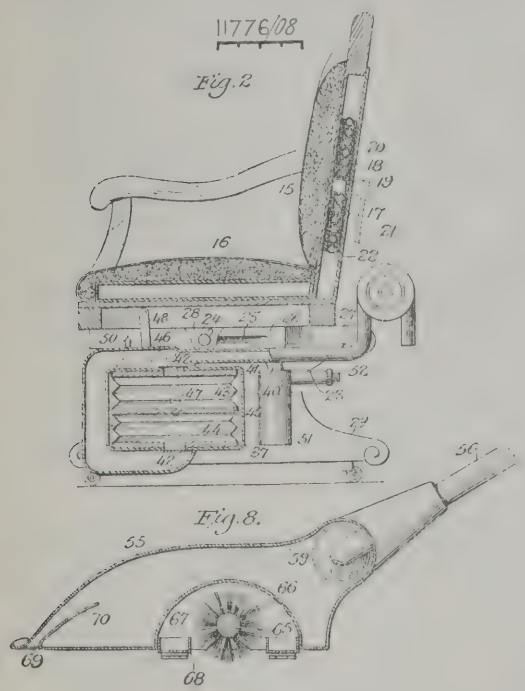
4 figures, 2 claims.

Complete Specifications Accepted—*continued.*

11,776. 19 June. E. Behringer and H. Behringer, New York, U. S. America.

Classes 25.9; 45.1.

Vacuum cleaner: Rocking chair containing bellows, tube, and rotary brush dust collector.

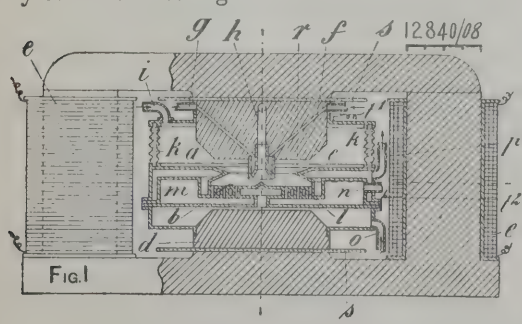


12 figures, 7 claims.

12,840. 20 Oct. I. Moscicki, Switzerland.

Classes 06.8; 07.9; 16.7.

Electric rotary flame furnace: Production of nitrogen oxides, preventing short-circuiting by current of cold gas.

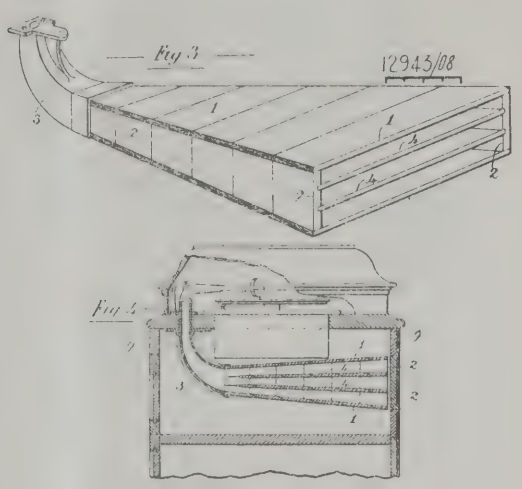


1 figure, 2 claims.

12,943. 2 Nov. W. H. Waters (J. C. English, N.J., United States of America).

Class 01.7.

Talking machine horn: Flattened rectangular cross-section with sound boards arranged as shown at **4**.

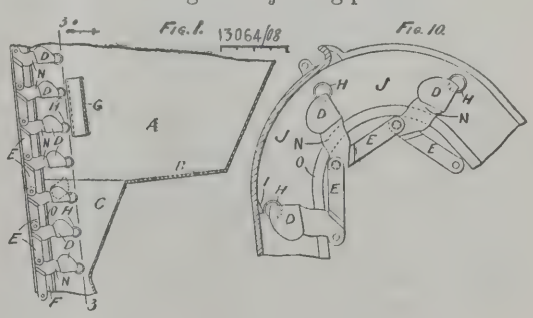


7 figures, 5 claims.

13,064. 17 Nov. T. G. Richmond, Scotland.

Class 31.1.

Potato planter: Hopper, endless chain, and buckets with rings for ejecting potatoes.



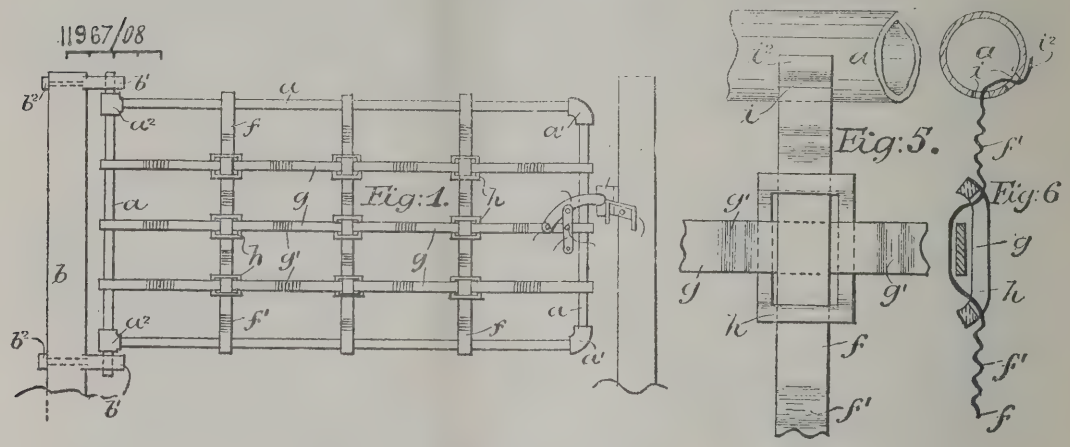
11 figures, 3 claims.

Complete Specifications Accepted—*continued.*

11,967. 14 July. R. Purser, Western Australia.

Classes 81.8 ; 81.9.

Crimped and interlocked lattice metal hoop gate and fence. Modifications.

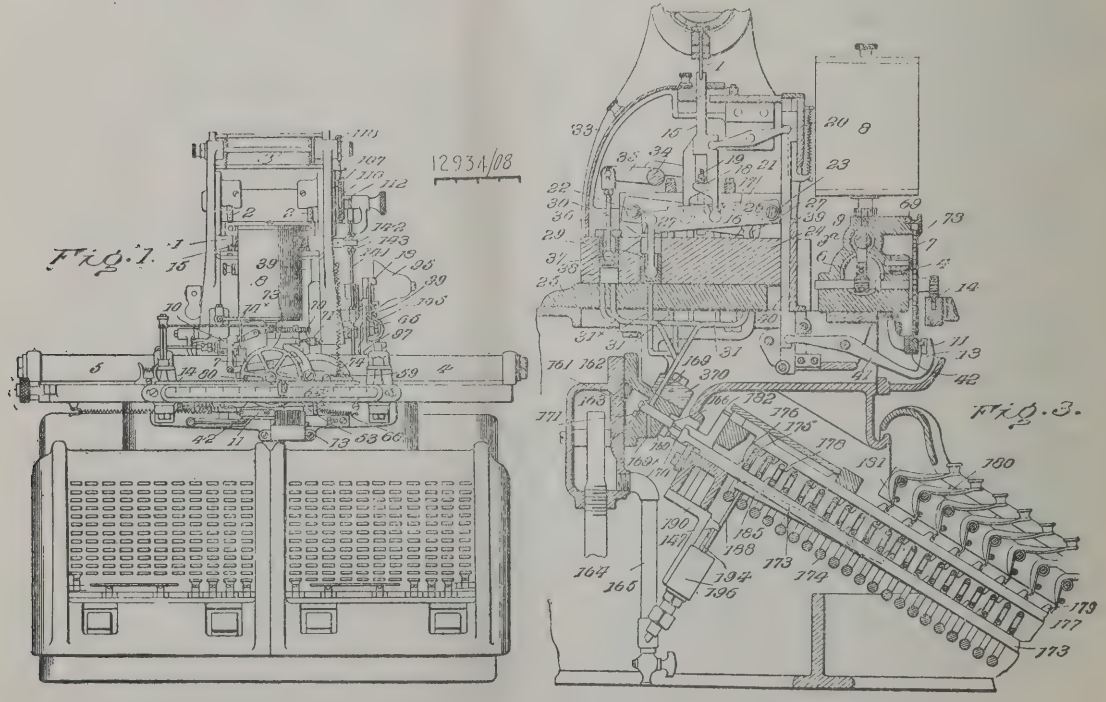


8 figures, 3 claims.

12,934. 2 Nov. Monotype Machine (Colonial Patents) Syndicate Limited (J. S. Bancroft and M. C. Indahl, Penn., United States of America).

Class 50.5.

Monotype record strip composing : Matter set up in the form of perforations in a record strip or controller by a series of manually controlled punches, justification indicator, and paper feed mechanism ; keyboard operated.



31 figures, 57 claims.

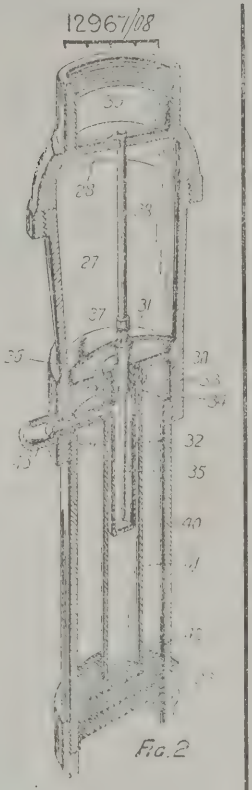
Complete Specifications Accepted—*continued.*

12,967. 4 Nov. W. M. Hughes and J. W. Wallace, New South Wales.

Classes 21.4; 61.7.

Air carburettor: Air pump plant and fuel supply float valve (shown in separate figure) with needle valve fuel regulation **35**, adjusted by disk **31** floating in conical mixing chamber **27**. (*See* 12,968.)

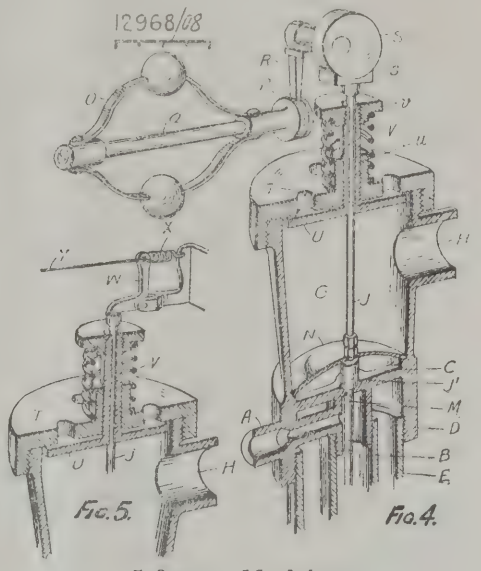
3 figures, 8 claims.



12,968. 4 Nov. W. M. Hughes and J. W. Wallace, New South Wales.

Classes 61.7; 61.9; 66.5.

Application of the needle valve and floating disk of No. 12,967 to motor engines.

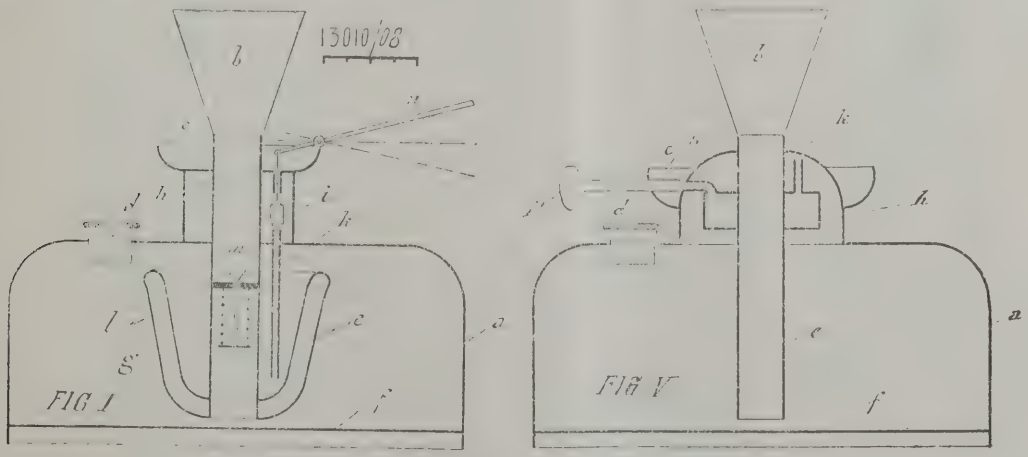


5 figures, 11 claims.

13,010. 10 Nov. H. A. von Post, Sweden.

Class 23.3.

Primus stove or lamp, operated by pneumatic pressure from internal charge of volatile liquid, heated by conduction. Six designs.



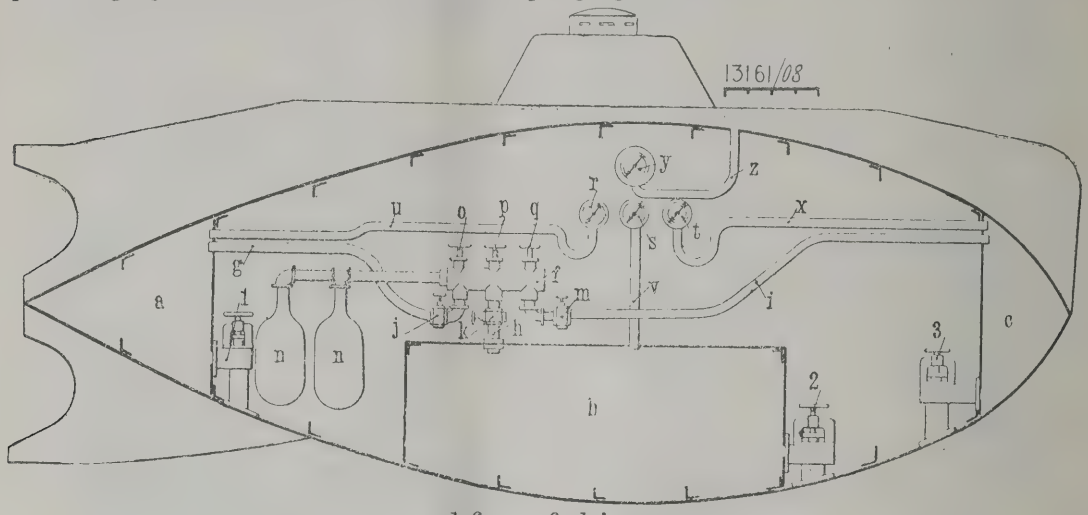
6 figures, 15 claims.

Complete Specifications Accepted—*continued.*

13,161. 30 Nov. A. Griffith (L. Y. Spear, N.Y., United States of America).

Class 91.6.

Ballast tanks for submarines: High and low pressure tanks are connected to a high pressure air store **N** by manifold air chest **F**, and (to guard against bursting) are fitted with pressure gauges **R**, **S**, **T**, adjacent to tell-tale depth gauge **Y**.



1 figure, 6 claims.

13,186. 2 Dec. J. Waechter-Gerber, Switzerland.

Classes 25.9; 69.1; 69.4.

Vacuum cleaner: Ejector with dust bag and foot bellows.

Fig. 1.

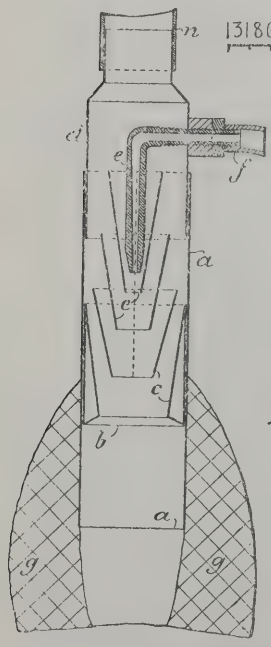


Fig. 2.

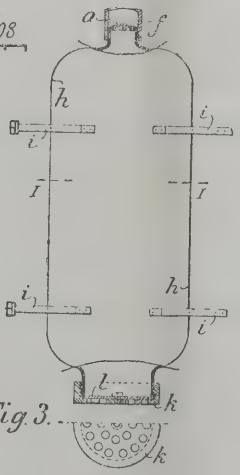
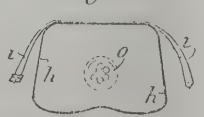


Fig. 3.

Fig. 4.



4 figures, 4 claims.

13,239. 9 Dec. H. E. Smith, Scotland.

Class 21.4.

Carburettor: Opposing currents of air and petrol between water jacketed surfaces of con centric pairs of spheres, cones, &c.

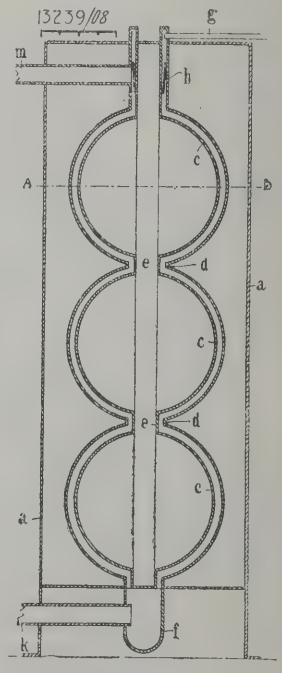


Fig.1

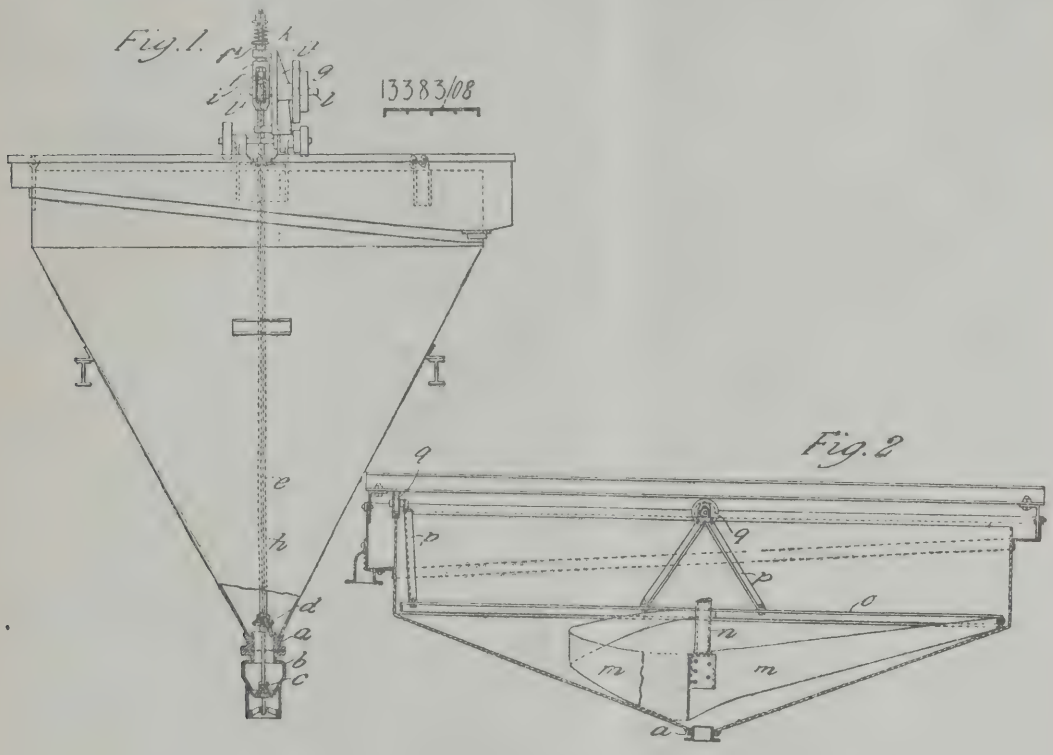
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,383. 29 Dec. F. E. and A. S. Elmore, England.

Classes 12.1; 56.5.

Spitzkastern for separation of liquids from slimes, &c.: Mechanically operated double valve discharge to ensure correct proportions of liquids and solids.



6 figures, 4 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

13,605. Godfrey Benington Johnson, 8 Victoria-street, Westminster, London, Eng., engineer,

Application under Sec. 121.

[Date applied for 3rd Apr., 1908, being date of application in Great Britain, No. 7432/08.]

"An improved machine for shearing metal sheets."

13,703. Reginald Aubrey Fessenden, Brant Rock, Mass., U.S.A., electrical engineer,

Application under Sec. 121.

[Date applied for 31st Mar., 1908, being date of application in U.S.A., Serial No. 424,372/08.]

"Improvements in the electric transmission of energy without wires."

PRINTED SPECIFICATIONS.

STATEMENT TO 6th APRIL, 1909.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection :—

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Adelaide—Post Office Buildings, King William-street.
Public Library, North Terrace.

Western Australia :
Perth—Custom House, William-street.
Public Library, Beaufort-street.

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Dublin—National Library, Kildare-street.
Glasgow—Sterling's Library, Miller-street.
Manchester—Free Library, Deans Gate.
Newcastle-on-Tyne—Public Library, New Bridge-street.
Swansea—Public Library.

United States of America :
Washington, D.C.—Patent Office.

France :
Paris—Office National de la Propriété Industrielle, 292 Rue Saint-Martin.

Germany :
Berlin—Kaiserliches Patentamt.

Japan :
Tokyo—Patents Library.

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Vol. 24 comprises Applications 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 43 comprising Applications numbered from 4800 to 8799, are now complete for binding with title pages, &c.

Vols. 44 to 49 comprise Applications from 8600 to 9799; between these numbers all the Accepted Specifications are printed or in a forward state.

Some Specifications numbered below 4600, and many of higher numbers than 9800 have also been issued, and are enumerated below; for issues subsequent to this date reference must be made to the weekly lists in each *Journal*.

The name following the number is that of a declared actual inventor, or of an applicant. Further particulars may be found by reference to the *Journal* under notices of Applications Received.

1904-5.

VOLS. 1 TO 11.

Nos. 1 to 2199 not yet printed.

VOLS. 12 TO 22.

2362. Koledas
2990. Spiral S. T. Cl. Co. Ld.
3228. Clemmensen
3726. Macquisten
4007. L. Wax Vesta Co. Ld.
4025. Cannell
4043. Locking
4128. Macquisten
4174. Newman
4232. Stocks
4284. Gray

VOL. 23.

4418. Fireman
4427. Hatmaker
4428. Hatmaker
4461. White
4464. Gacon
4466. Spiller
4539. Ljungström
4541. Gresham
4542. Fowler
4544. Cowan
4545. Bain
4546. Delany
4549. Eppler
4551. Miettinen
4552. Neumann
4553. Neumann
4555. Bourque
4556. Wheless
4557. Williams
4558. Trent
4559. Trent
4560. Prellwitz
4561. West
4563. Wemlinger
4564. Gibson
4565. Gibson
4566. Gibson
4567. Gibson
4568. Gibbons
4570. Cayford
4571. Bigelow
4572. Rabbidge
4573. Hall
4576. Tait
4577. Dunnett
4578. Fleming
4580. Mapp
4581. Oldfield
4582. Nuttall

Printed Specifications—*continued.*

1904-5.

4583. Heinecke
4584. Kerr
4585. Middleton
4586. Priest
4588. Harrington
4589. Leitch
4590. Wilson
4591. Wynne
4593. Moser
4596. Grosser
4597. Wood

1905-7.

Vols. 24 to 49, **4600** to **9599,** see statement above.

1907.

Vol. 50.

9800. Antoine
9802. Morison
9805. Sinclair
9808. Reynolds
9811. Pettett
9816. Langman
9818. Field
9819. Roberts
9820. Feldmeier
9821. Burrell
9823. Ravelli
9825. Aylmer
9829. Gammeter
9830. Gammeter
9833. Stuart
9834. Augustine
9838. Grob
9839. Hylard
9840. Little
9849. Patterson
9850. Schmidt
9853. Spence
9854. Ponninghaus
9857. Mazlin
9858. Rogers
9859. Corry
9861. Wilson
9863. Blanc
9880. Howcroft
9881. Campbell
9884. Larbalestier
9886. Clegg
9894. Wilson
9898. Holman
9899. Ceipek
9900. Stephens
9901. Homan
9902. Madgwick
9907. Winzer
9908. Rippin
9909. Hardy
9911. Jackson
9915. Hooper
9917. Hewlett
9919. von Zelewski
9920. Parant
9921. Lewis
9924. Jones
9938. Broughton
9939. Ellis
9940. Westfelt
9942. Garner
9944. Prentice
9946. Schultz
9947. Knight
9948. C-Coles
9949. Bates
9950. Lyon
9952. Parker
9953. Fraser
9955. Dwight
9956. Stilwell
9957. Stilwell
9958. Stilwell
9964. Plant
9966. Friedman
9968. Keating
9969. Smith
9970. Butler
9971. Richards
9972. Friestedt
9973. Thomas
9974. Davis
9976. Solomon
9977. Gallagher
9981. Pickering
9982. Williams
9991. Willcock
9993. Myers
9995. Wileman
9996. Farmer
9999. Smith

Vol. 51.

10,001. Burrell
10,005. Ponninghaus
10,008. Marshall
10,009. Maloney
10,015. Bagshaw
10,016. Walker
10,020. O'Connor
10,021. Rowley
10,022. Zerning
10,024. Crossley
10,025. Moy
10,028. Sellenscheidt
10,029. Ambury
10,031. Burl
10,038. Dalen
10,040. Binney
10,041. Couston
10,044. Sands
10,049. Borner
10,052. Sutton
10,053. Brown
10,054. Suggate
10,055. Krieger
10,056. Chavanne
10,057. Marconi
10,060. Bellini
10,066. Thomson
10,070. Langer
10,071. Cantwell
10,073. Parris
10,075. Granger
10,077. Thompson
10,079. Cooke
10,080. Millar
10,083. Hutchinson
10,084. Bedford
10,090. Harvey
10,092. Neumann
10,101. Wood
10,102. Buss
10,103. Clark
10,104. Burns
10,105. Marino
10,106. Notcutt
10,107. Roberts
10,109. Linke
10,110. Yarrow
10,111. Basch
10,113. Porter
10,114. Babé
10,123. Trevellian
10,126. Dunne
10,128. Holms
10,129. Coates
10,134. Graaff
10,135. Graaff
10,136. Graaff
10,137. Graaff
10,138. Graaff
10,139. Graaff
10,140. Graaff
10,141. Graaff
10,142. Graaff
10,143. Graaff
10,149. Abrams
10,151. Finkler
10,157. Simpson
10,160. Pradeau
10,161. Siddall
10,162. De Vilbiss
10,164. Cameron
10,167. Gammeter
10,169. Lawrence
10,171. Ragona
10,172. Chatfield
10,175. Kinney
10,176. Gee
10,178. Schultze
10,179. Dow
10,182. Fawns
10,183. Jones
10,186. Dake
10,187. Wade
10,190. Terry
10,191. Sweetland
10,192. Dion
10,193. De Witt
10,196. Scheurmann
10,197. Carter
10,198. Bryant
10,199. Gaisman

Vol. 52.

10,200. Curtis
10,205. Thomson
10,206. Dod
10,208. Paulo
10,214. McGlashan
10,227. Simm
10,229. McMullen
10,230. McPharlin
10,233. Rogers
10,234. Lucas
10,235. Scharf
10,237. Moss
10,239. Ronchetti
10,243. Alcorn
10,245 Taylor
10,252. Robeson
10,258. Köhler
10,261. den Ouden
10,262. Slipper
10,265. Close
10,267. Bulkeley
10,271. Merton
10,273. Petracchi
10,276. McIntosh
10,281. Brydon
10,282. Lucy
10,283. Hogan
10,285. Slater
10,286. Sutton
10,287. Kupfer
10,288. Carlisle
10,289. Ludowici
10,292. Clark

Printed Specifications—*continued.*

1907.

10,293. Le Claire
10,299. C.-Coles
10,300. Wilson
10,308. Lafontaine
10,310. Bunning
10,313. Sara
10,314. Smith
10,315. Crossley
10,316. Samuel
10,317. Mews
10,328. Benn
10,330. Campbell
10,334. Heathorn
10,342. Fletcher
10,350. Blechynden
10,354. McLeod
10,356. Calvert
10,357. Campbell
10,359. Roberts
10,360. Roberts
10,361. Clark
10,362. Hommel
10,368. Ljungström
10,370. Hasenbach
10,372. Poulson
10,373. Eastman
10,374. English
10,378. Clark
10,379. Seay
10,380. Cox
10,381. Smart
10,382. Kidder
10,383. Steele
10,392. Reseigh
10,395. Christie
10,397. Sigmont
10,398. Wiggins
10,399. Lemoine

VOL. 53.

10,402. Wainwright
10,409. Fairchild
10,410. Morris
10,411. Blessing
10,413. Alford
10,416. Cooke
10,418. Turner
10,420. Finnis
10,424. McCray
10,425. Smaill
10,427. Robertson
10,433. Burtart
10,437. Powell
10,438. Gersch
10,445. Bancroft
10,446. Bancroft
10,447. Risberg
10,449. Burgess
10,451. Albrecht
10,452. Caught
10,454. Keene
10,457. Leslie
10,458. Chatfield
10,459. Lennard
10,460. Christie
10,462. Frank
10,463. Saunders
10,467. Fischer
10,469. Turner
10,476. Aldenhoven
10,478. Bryce
10,479. Smith
10,480. Schaller
10,481. Reid
10,484. Ford
10,485. Fagerström
10,488. Bills
10,491. Robson
10,492. Zabriskie
10,497. Cunnington
10,504. Young
10,505. Gibson
10,506. Thomas
10,507. Thomas
10,513. Brown
10,514. Gibson
10,518. Fleming
10,521. Brooke
10,522. Tutton
10,530. Benn
10,534. Johnson
10,535. Houlder
10,536. Klinger
10,537. Mühlinghaus
10,540. Simpson
10,541. Hommel
10,545. Barrez
10,550. Lorenz
10,552. Wells
10,553. Olding
10,555. Reynolds
10,556. Dennison
10,559. Mellor
10,560. Johnson
10,561. Parsons
10,562. Crichton
10,564. Smith
10,568. Schoop
10,570. Weyl
10,573. Webster
10,575. Pieper
10,579. Walker

1908.

10,581. H.-Weston
10,583. Ffrench
10,584. Hillman
10,586. Wightman
10,587. Acheson
10,596. Walker

VOL. 54.

10,600. Douse
10,601. Alley
10,603. Stowe
10,606. Newcomb
10,608. Huelin
10,609. Mazzolini
10,611. Livingstone
10,614. Silver
10,615. Jackson
10,619. Carey
10,620. Sisterson
10,622. Martin
10,637. Holloway
10,643. Debenham
10,644. Luciani
10,645. Matter
10,647. Boll
10,650. Rosenthal
10,654. Carter
10,661. Larson
10,665. Deutschmann
10,674. Henderson
10,677. Smith
10,678. Moore
10,679. Moore
10,680. Houlden
10,681. Lindenberger
10,682. Highsmith
10,683. Cardwell
10,687. Palmer
10,688. Overbury
10,691. Gillette
10,695. Joel
10,700. Martha
10,701. Torkington
10,724. Baruschke
10,726. Holbourns
10,727. Mortensen
10,734. Whittaker
10,740. Benjamin
10,744. Fessenden
10,748. Reynolds
10,749. Doggwyler
10,752. Davidson
10,753. Davidson
10,754. Halliday
10,756. Oatway
10,758. Ramsay
10,766. Searle
10,767. Beamish
10,768. Moore
10,772. Shuman
10,774. Müller
10,782. Hayes
10,786. Breker

VOL. 55.

10,802. Bottrell
10,805. Turner
10,806. Humphrey
10,807. Berry
10,808. Dobbs
10,810. Laigle
10,811. Holbourns
10,812. Holbourns
10,813. Horst
10,815. Wright
10,816. Sturgess
10,817. Hodder
10,820. Perocchio
10,824. Gaut
10,832. Main
10,833. Nance
10,838. Moss
10,842. Pearce
10,847. Marsh
10,864. Cutler
10,867. Davies
10,870. de Laval
10,873. Quine
10,874. Shortman
10,878. Ullrich
10,881. Watts
10,889. Deunert
10,892. Jahraus
10,894. Rowe
10,895. Delage
10,898. Holdsworth
10,902. Sandell
10,903. Hosmer
10,904. Chauvin
10,906. Nicholls
10,909. Munro
10,911. Angus
10,912. Brown
10,913. Thomas
10,914. Bode
10,915. Wilson
10,925. Dwight
10,926. Robshaw
10,930. Talbert
10,933. Wass
10,950. Watts
10,953. Winstanley
10,956. Innes
10,957. Bennet

Printed Specifications—*continued.*

1908.

10,958. Schmidt
10,960. Haines
10,972. Wilson
10,973. North
10,974. Erhardt
10,975. Hutchings
10,980. Richert
10,986. Murray
10,987. Hytten
10,989. d'Or
10,990. Bruckmann
10,992. Marzi
10,999. Reynolds

Vol. 56.

11,000. Heer
11,001. Offord
11,007. Hartley
11,015. Stocks
11,017. Coulson
11,019. Lee
11,026. Armstrong
11,028. Turner
11,033. Thompson
11,036. Allard
11,038. Booth
11,045. Bawden
11,046. Hall
11,061. Fletcher
11,064. Alexanderson
11,065. Peck
11,066. Peck
11,067. McCoy
11,069. Morris
11,070. Beebe
11,071. Nichols
11,072. Mullally
11,073. Sheldon
11,074. Sheldon
11,075. Truscott
11,077. Preston
11,078. Auchu
11,079. Chapman
11,081. Fischer
11,082. Driver
11,084. Jost
11,088. Constantine
11,090. Bohm
11,091. Dredge
11,097. Holmes
11,103. Maher
11,104. Diggles
11,105. Baker
11,110. York
11,111. Officer
11,115. Friend
11,117. Chellis
11,118. Woodroffe
11,122. Stevenson
11,123. Grognot
11,131. Cottrell
11,132. Roy
11,133. Thompson
11,134. Heinz
11,139. Alden
11,140. Barrett
11,143. Thompson
11,154. Yabsley
11,155. Yabsley
11,164. White
11,173. Vanderstegen
11,174. Borgstrom
11,175. Timms
11,177. Sundberg
11,178. Merlino
11,183. Renn
11,188. Jones
11,191. Schultz
11,196. Walsh
11,197. Gleeves

Vol. 57.

11,205. Greer
11,206. Brukner
11,209. Gratama
11,210. Pfeil
11,211. Davis
11,212. Strange
11,213. Charmat
11,214. Laurenti
11,215. Laurenti
11,216. Herrick
11,217. Herrick
11,218. Herrick
11,219. Bechman
11,221. Killen
11,226. Dempsey
11,228. Tierney
11,238. Elliott
11,240. Hudson
11,243. Reddan
11,245. Harrison
11,273. Garforth
11,274. Garforth
11,275. Garforth
11,286. Bleichert
11,287. Cotton
11,289. Thomson
11,297. De Dion
11,299. Bigelow
11,300. Bigelow
11,301. Browne
11,305. Hodkin
11,308. Andrews
11,309. Schmidt
11,310. Lynde
11,313. Gironcoli
11,317. Amet
11,321. Nichols
11,322. Stephens
11,326. O'Rourke
11,328. Parsons
11,338. Stewart
11,339. von Pittler
11,340. von Pittler
11,346. Hardinge
11,351. Hendryx
11,354. Dowie
11,369. Wirtz
11,371. Snow
11,373. Öhrn
11,375. Ward
11,379. Schlie
11,382. Tatham
11,395. Geary

Vol. 58.

11,406. Blackwell
11,424. Killen
11,519. Richards
11,524. Churchill
11,528. Rickards

Printed Specifications Published.

And for Sale at the Government Printing Office, Melbourne.—Price, One Shilling each, post free.

The following Specifications are available for purchase on the date of this *Journal*:—

1905.

4541. The Vacuum Brake Co. Ltd. (Gresham and Others). *Vacuum brake.* Class 96.6.
4542. The Economic Safety Gas Co. Ltd. (Fowler). *Carburettor.* Class 21.4.
4544. J. Cowan. *Water tube boilers.* Class 63.4.
4545. J. Bain. *Self-flushing ashpan.* Classes 16.8; 69.1.
4546. Delany Foreign Co. (Delany). *Telegraphic recording.* Class 05.2.
4549. United Shoe Machinery Co. (Eppler). *Boot turning machines.* Class 44.5.
4551. G. Miettinen. *Rotary engine.* Class 67.7.
4552. Natural Power Co. (Neumann). *Air compressor.* Classes 69.4; 69.6.
4553. Natural Power Co. (Neumann). *Pressure blowers.* Class 69.6.
4555. C. Bourque. *Warehouse trucks.* Classes 59.1; 93.3.

Printed Specifications Published—*continued.*

1905.

4556. G. G. TURRI (WHELESS). *Marine vessels.* Class 91.2.
4557. TOWNSEND and ROBINSON (WILLIAMS). *Clutches.* Classes 04.7; 62.4; 62.8.
4558. L. C. TRENT. *Pulp filter.* Classes 11.3; 28.2.
4559. L. C. TRENT. *Agitating and mixing.* Classes 10.8; 14.7.
4560. INGERSOLL-RAND CO. (PRELLWITZ). *Operating valves.* Classes 65.6; 65.9; 69.4.
4561. WEST and WEBSTER. *Cooling liquids.* Classes 27.1; 29.5.
4563. J. R. WEMLINGER. *Sheet piling.* Class 82.6.
4564. INGERSOLL-RAND CO. (GIBSON). *Electro-pneumatic channellers.* Classes 69.4; 74.7; 85.4; 85.7; 95.5.
4565. INGERSOLL-RAND CO. (GIBSON). *Fluid pressors.* Classes 69.4; 85.4.
4566. INGERSOLL-RAND CO. (GIBSON). *Air pressors.* Classes 69.4; 85.4.
4567. INGERSOLL-RAND CO. (GIBSON). *Air pressors.* Classes 69.4; 85.4.
4568. H. J. GIBBONS. *Railway signal.* Class 98.2.
4570. E. PHILLIPS (CAYFORD). *Rendering.* Classes 24.6; 35.4.
4571. D. E. BIGELOW. *Ore breakers.* Class 10.4.
4572. P. RABBIDGE. *Dynamo-electric generator.* Classes 02.2; 02.3.
4573. A. J. HALL. *Feeding brushes with pigment.* Classes 25.8; 79.4.
4576. A. L. J. TAIT. *Treating fibre.* Class 40.1.
4578. GENERAL ELECTRIC CO. (FLEMING and HALVORSON). *Arc lamp.* Class 06.2.
4580. T. H. MAPP. *Treating forage.* Classes 17.5; 34.2; 59.6.
4581. A. GRIFFITH (OLDFIELD). *Printing surfaces.* Classes 50.1; 50.2.
4582. W. T. NUTTALL. *Branding appliance.* Classes 23.3; 37.4.
4583. G. T. HEINECKE. *Hydraulic jet ejector elevators.* Classes 68.5; 69.1; 84.8.
4584. KERR and COXON. *Differential friction gear.* Class 62.7.
4585. G. MIDDLETON. *Vehicle wheel.* Class 97.83.
4586. S. PRIEST. *Cooking ranges.* Class 24.2.
4588. HARRINGTON and SPIERS. *Boot machines.* Class 44.5.
4589. A. LEITCH and OTHERS. *Teaching arithmetic.* Class 49.6.
4590. T. H. WILSON. *Journal bearings.* Class 60.7.
4591. G. F. WYNNE. *Concentrating ores.* Class 12.1.
4593. THE ARCANUM LTD. (MOSER). *Mineral waters.* Classes 27.3; 56.5.
4596. C. A. GROSSER. *Vehicle propulsion.* Classes 62.5; 96.6.
4597. E. N. WATERS (WOOD). *Casting curved stereotypes.* Class 50.2.
4606. W. KENNEDY. *Bending metal tubes.* Class 74.6.
4612. A. SAUPÉ. *Ore concentrator.* Class 13.4.
4613. M. B. L. EHRMANN. *Envelope.* Class 49.3.
4615. G. PRINCE. *Clothes prop shoe.* Class 25.6.
4616. F. H. SNOW (BOND). *Waterproof fabric.* Classes 41.9; 58.1.
4618. W. HUBBARD. *Waggon.* Class 93.1.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*24th March, 1909.*			
10,642	13 Jan.	P. Olsen	Qld.	Portable fodder press ...	614
10,713	24 Jan.	W. L. Davey & A. J. Maucum	Vic.	Ventilating compartments ...	714
10,787	6 Feb.	S. Winn	N.Z.	Bed rest	714
10,899	24 Feb.	J. D. Jackson & J. T. & C. H. Metters	Vic.	Gas cooking stoves ...	683
11,237	9 Apr.	F. S. Greer	N.S.W.	Fumigating or spraying ...	629
11,311	22 Apr.	G. Rossi	Italy	Vegetal retting	262
11,933	9 July	E. Kempshall... ...	Eng.	Non-skid tyres	474
12,085	28 July	F. Hursthouse ...	Eng.	Lamp extinguishing ...	508
12,296	20 Aug.	W. F. Jones	Vic.	Safety drop-head lock ...	574

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
19,089	Farquhar, J. F. C. ...	22nd Mar., 1916
19,094	Good, J. T.	25th Mar., 1916
19,102	Carlson, S.	26th Mar., 1916
19,103	Carlson, S.	26th Mar., 1916
19,116	Messenger, T. W. ...	2nd Apr., 1916
19,179	Cottrell, Sons & Co., C. B.	17th Apr., 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1899.

No.	Name.	Paid up to—
4862	Mills, T., & Donald, R. K.	4th Apr., 1910

1901.

5932	Locke, B. H.	19th Mar., 1910

1903.

7187	Blair, J. B.	27th Mar., 1910

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fee Paid.

1902.

No	Name.	Paid up to—
7602/5634 ...	Messenger, T. W. ...	27th Mar., 1916

Assignment Registered.

1903.

8764/6391. "Improvements in the manufacture of explosive charges."

Assignment of the whole *by* Paul DU BUIT *to*

ANGLO FRENCH F. & S. LIMITED. Dated 10th Mar., 1908. Registered 23rd Mar., 1909.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

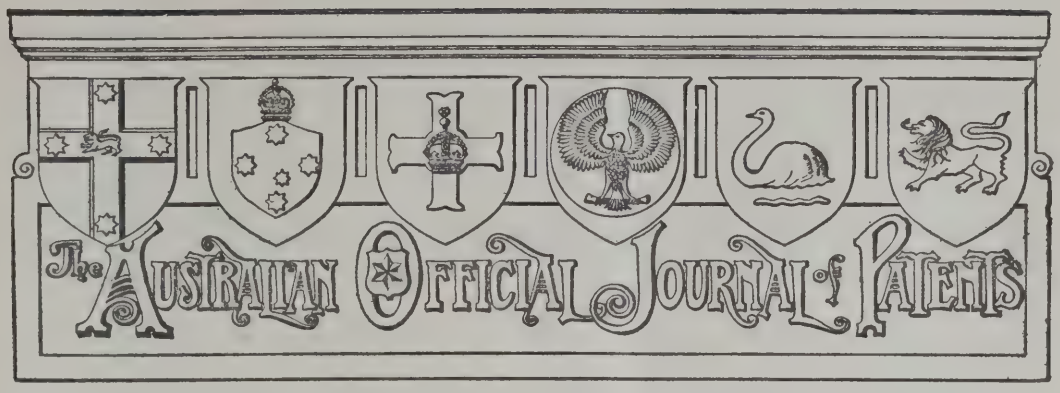
Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
3588 ...	Marconi, G., & Marconi's Wireless Telegraph Co. Ltd.	3rd May, 1916

G. M. ROBB,
Deputy Commissioner of Patents.

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SUPPLEMENT ISSUED WITH JOURNAL No. 13, 6TH APRIL, 1909.

MONTHLY INDEXES.

MARCH, 1909.

INDEX TO NAMES OF PERSONS
IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER
IN SPECIFICATIONS LODGED.

DESCRIPTIVE SUBJECT INDEX
TO SPECIFICATIONS OPENED TO INSPECTION.

APPLICATIONS FOR 1908 COMMENCE WITH 10,581.
APPLICATIONS FOR MARCH, 1909, Nos. 13,882 TO 14,164.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS

MARCH, 1909.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Abell, E. G.	Hammock	P. 14,130
Aders, F.	Key-board mechanism ...	13,893
,, F.	Actuating types, &c.	13,941
,, F.	Multi-way valve	14,006
Aland, E.	Boot or shoe	11,610
Albihn, H. F.	Milking-organ tubes	14,021
Alefounder, G. S.	Motor road vehicles	P. 13,986
Alkemade, P. V. L.	Inflating footballs, &c. ...	P. 14,112
Anderson, A.	Deodorant distributor ...	P. 13,898
,, A.	Jute bagging	P. 14,078
,, H. D. R.	School-bag	P. 13,981
Anderstedt, F. L.	Folding bed, &c.	P. 13,954
Angenot, C.	Sock-holder	13,952
Angus, A. R.	Preventing railway collisions ...	11,446
Apps, G. W.	Candle and match box ...	P. 14,134
Armitage, E.	Turbine engines	P. 13,989
Askew, C. B.	Dredge	14,083
Austin, E. C.	Spirit levels	14,075
,, Florence	Rotary pump	P. 14,042
Aust. Leatherubber Co. Ld. (*assignee*) ...	Regenerating leather	9144
Bainton, J. R.	Electrical door-lock	14,048
Ball, W.	Mechanical movements ...	14,143
Barnard, T.	Cycle pedal clips, &c. ...	11,890
Barnewell, N. (*assignee*)	Railway-track weed destroyer ...	5818
Barrett, Rebekah & T.	Washing machine	11,522
Barton, G. V.	Lead, &c., oxides	14,151

Name.	Subject.	Number.
Bartram, H. W.	Milk cleaner	P. 13,920
,, J. & Son (Clemesha & Dahlgren)...	Milk cleaner	P. 13,920
Baun, Ada De	Gold saving machine ...	P. 14,138
Bawden, E. G.	Pneumatic tyre valves ...	P. 13,963
Baynes, F. W.	Pumping machinery	13,889
Beal, F. A.	Turned shoes	13,977
Beaton, C.	Valve for animal troughs ...	P. 14,139
Beaupuis, E. de	Ladies' belt buckles	P. 13,971
Beck, J. L.	Tram car, &c., indicator ...	P. 14,043
Beckham, G. T.	Tin and gold saving	11,473
Belk, M.	Branding carcases	P. 14,108
Bell, R.	Boots	P. 14,055
Bellenger, R.	Milk cans	14,155
Bellini, E.	Wireless telegraphy	13,912
Benn, B. W.	Differential gear	P. 13,940
Benton, J. W.	Educational device	P. 13,915
Bernardi, F.	Electrical fuse spitter ...	14,101
Berry, G. W.	Closets	14,107
,, H.	Suction gas plants	11,546
Birch, G. A.	Candle case and sconce ...	11,738
Bischof, G. W....	Music, &c., turner	11,808
Blackstone, E. C.	Internal combustion engines ...	14,144
Blake, J.	Teat cups	14,085
Blum, J.	Artificial rubber	14,001
Booth, Q. W.	Skiving leather, &c.	P. 14,100
Bowen, R.	Building walls	13,900
Bowerbank, A. W.	Elastic fluid plant	14,023
Bowser, G. M.	Grooving rock, &c.	P. 14,093
Brache, C.	Securing tyres to wheels ...	11,679
Bradley, W.	Acetylene lamp	11,491
Bray, W. C.	Holder for cards, &c. ...	P. 13,937
Brazenall, W. & E.	Heat economizer	14,046
Brewster, A. S.	Rabbit, &c., trap	P. 14,012
Briggs, F. W.	Harness, &c.	P. 14,027
Brit. Westinghouse E. & M. Co. Ltd. (Turner)	Electric braking	14,145
Brooks, J.	Fertilizer drills, &c.	11,591
Brown, C. S.	Separating fluids	14,105
,, J. A.	Cocks and taps	14,057
,, J. B.	Rotary pump, &c.	P. 13,883
,, T. F.	Chairs, &c.	P. 13,950
Browning, E. C.	Cow bail	13,922
Burke, C. U. T.	Ant banisher	P. 14,159
Burt, E.	Filters	14,095
Bush, W.	Washing liquid	P. 14,017
Bust, F. R.	Slaughtering animals ...	14,063
Butler, W. J.	Bicycle, &c., pedal	P. 13,980

Campbell, H.	Clothes line prop	P. 14,019
,, H.	Scrubbing fabrics	P. 14,020
Cannon, H.	Studying geography	14,094
Carnegie, A. Q.	Elastic fluid plant	14,023
Carpenter, A. W.	Artificial rubber	14,001
Carr, H. S.	Joining, &c., hose piping ...	P. 13,882
Carter, F. & E.	Internal combustion engines ...	14,144
,, H.	Lift well guard	13,933

Name.	Subject.	Number
Cavanagh, J.	Boots, &c.	P. 14,099
Chapman, G.	Securing wheels on shafting ...	P. 14,062
Charley, J. J.	Road traction vehicles, &c. ...	11,358
Clark, E.	Repairing pneumatic tyres ...	12,249
,, E. J.	Carburettor	P. 14,152
,, W.	Railway traffic control ...	13,284
Clarke, W. H.	Hot shower baths	11,536
Clayton, C.	Displaying advertisements, &c.	P. 14,091
Clemesha, C. H.	Milk cleaner	P. 13,920
Collier, Maude D.	Cooking utensil	P. 13,902
Cooley, J. F.	Mechanical movements ...	14,143
Coombes, D. C.	Lift well guard	13,933
Cooper, H. C.	Door stop, &c.	P. 14,016
,, R. M.	Corn husker	11,726
Cort, W. J.	Butter, &c., cooler	P. 14,070
Cowdery, G.	Rail joint	11,840
Cowley, J. E.	Locomotive boilers	14,060
Crane, J. A.	Metallic bedsteads	13,943
Crombie, A. L. E.	Mechanical music teacher ...	13,997
Cronin, F. B.	Metal extraction	P. 13,945
Crook, R. H.	Securing hoses to taps ...	P. 14,034
Crossing, H. L. M.	Butter churn	P. 13,953
Crowley, C.	Rubber tyre attachment ...	P. 14,128
Dahlgren, G.	Milk cleaner	P. 13,920
Dalglish, T.	Ricochet	P. 13,918
Dando, F.	Game of skill	11,979
Dashwood, F.	Bricks, &c.	14,141
Davey, R. W.	Bath heater	P. 14,026
David Jones Ltd. (Bell)	Boots	P. 14,055
Davis, C. H.	Boring apparatus	P. 14,014
,, W.	Cuff link	P. 14,035
Day, F. H.	Water wheel	P. 14,123
Dayton, W. T.	Weighing machine	P. 14,126
De Baun, Ada	Gold saving machine ...	P. 14,138
de Beaupuis, E.	Ladies' belt buckles	P. 13,971
Dehne, A.	Step, &c., for vertical shafts ...	14,072
de Jersey, C. L.	Paper bag making machines ...	P. 14,118
Dennis, H.	Smoke producer	P. 14,124
Devine, W. W.	Portable water system ...	P. 14,131
Devlin, M. J.	Adhesive composition ...	P. 13,949
Diamanti, L. V.	Refrigerating sideboard ...	P. 13,924
Doherty, P. H.	Boots, &c.	P. 14,099
Donaghy & Sons Pty. Ltd., M. (Jose) ...	Removing inequalities in binder twine	13,985
Dondey, A.	Hat pin guard	P. 13,895
,, A.	High pressure filter	P. 13,935
Donkin, S. H.	Safety pocket	P. 13,914
Downing, H. W.	Saddle trees	14,164
Duffy, W. J.	Lowering, &c., lifeboats ...	11,791
Duncan, K. D.	Shearing machines	13,962
,, P. M.	Samples from liquids, &c. ...	P. 13,999
,, W. (*assignee*)	Railway-track weed destroyer ...	5818
Dunne, C. S.	Drinking attachment for bottles...	14,146

Name.	Subject.	Number.
Earp, A.	Measuring, &c., tea, &c. ...	P. 13,884
Edwards, G. T.	Gasometer	P. 13,897
Egan, J. M.	Comb for harvesters	P. 14,018
Ellis, P.	Game	P. 13,921
Enslin, H. E.	Lacing shoe uppers	11,333
Erickson, G. L.	Folding bed, &c.	P. 13,954
Federal Air Gas Co. Pty. Ltd. (*assignee*) ...	Carburettor	11,111
Ferreira, L. de M. G.	Railway, &c., signals ...	14,053
Filshie, J.	Table golf	P. 14,039
,, J.	Indoor bowls	P. 14,040
,, J.	Quoit bagatelle	P. 14,041
,, J.	Cinematograph tent	P. 14,092
Finkelstein, M.	Carburettor	P. 14,152
Fletcher, W.	Composing machine	13,907
Flynt, L. W. G.	Skiving leather, &c.	P. 14,100
Fortescue, A. J.	Destroying cactaceous, &c., growths	P. 13,976
Forwood, C. P.	Grinding pan outlet	P. 13,927
Frearson, R. S.	Joining device for hoses ...	P. 14,121
Friderichsen, N. S.	Casting lead seals, &c. ...	14,052
Friedemann, K. L. F.	Impregnating wood	14,051
Friedrichs, H. & J.	Clothes-hook	14,008
Fry, R. J.	Vehicle wheels	P. 13,967
Gare, T.	Sheet india rubber	14,004
Gibbs, Anita A.	Cards for playing games ...	P. 13,984
Gibson, A. H.	Pulsators	14,102
,, A. H.	Mining machinery	14,103
,, R.	Mattresses for invalids ...	13,939
Gillies, A.	Teatcup	P. 13,956
,, A.	Teatcup	P. 13,957
Gilruth, J. G.	Sanitary commode	P. 13,894
Gimonet, A.	Drying bottles	14,056
Goldsborough, R. H.	Turbines	14,096
Goodall, G.	Spring mattresses	P. 14,061
Goss, W. E.	Acetylene gas generator ...	P. 14,136
Govett, H. V.	Air compressor valve	P. 14,025
Grant, G.	Medicated boot insole ...	P. 14,013
Gray, A.	Dirty water trap	P. 13,892
,, H. L.	Mailing tube	14,114
Greatorex, L.	Non-refillable bottle	P. 14,157
Green, Annie	Ankle support shoe	P. 14,032
,, G. W.	Change speed gearing ...	11,501
,, T. L.	Biscuit cutting machines ...	14,115
,, T. L.	Sheeter machines	14,116
,, T. L.	Cake cutting machines ...	14,117
Greenham, A.	Lamb tailer, &c.	14,109
Greenway, H. H.	Ore concentration	P. 13,947
Hadaway, J. B.	Vamp trimming	11,758
Halley, E.	Milk can	P. 14,147
Hamilton, D. J.	Subdividing butter	P. 14,065

Name.	Subject.	Number.
Harrington, N. T.	Explosion engines	14,076
Haslam, W.	Resilient boot, &c., heel ...	P. 14,120
Hastings, B.	Rock drills	14,084
Hay, H.	Precipitating gold, &c. ...	13,896
Hebblewhite, W. R.	Wheel	P. 13,916
Heckel, O. S.	Cloth measure	14,069
Hefford, I.	Amalgamating apparatus ...	P. 13,934
Heidenstam, W. A. G. von	Impregnating wood	14,051
Hesketh, J.	Brick kiln	P. 14,140
Hetherington, E.	Cutting coal, &c.	P. 13,946
Higgins, A. H.	Ore concentration	P. 13,947
Higginson, E. M.	Brightening knife blades ...	P. 13,998
Higgs, W. G.	Exhibiting advertisements, &c. ...	P. 13,965
Hildyard, R. J. L.	Waggon, &c., bodies	P. 13,919
Hislop, G. R.	Domestic fires, &c.	14,050
Hitchins, A. J. P.	Railway truck	P. 13,983
Holbourns, J. G.	Composing machine	13,907
Hope, G. H.	Milk cleaner	P. 13,920
Horwood, A. W.	Baking cabinet	11,675
Hughes, A. S. & H. F.	Destroying rabbits, &c. ...	P. 13,961
Humphreys, W.	Conveying power	13,929
,, W.	Variable speed gear	13,930
Hunt, P. C. H.	Conveying coke	P. 13,959
,, P. C. H.	Storing coal, &c.	P. 13,960
Hutchinson, A. G.	Shearing machines	13,962
Hynes, J.	Tool for boring	P. 14,066
Improved Chill. Co. Ltd. (*assignee*) ...	Preservation of food	6959
Ingersoll-Rand Co. (Gibson)	Pulsators	14,102
,, ,, (Gibson)	Mining machinery	14,103
Jackson, J. D.	Hot shower baths	11,536
,, W.	Cigarette packets	P. 14,038
Jarmain, J. W. H. A.	Prickly pear destroyer ...	P. 14,058
Jeantet, M.	Smoking pipes	12,332
Jersey, C. L. de	Paper bag making machines ...	P. 14,118
Johnson, C. J.	Garden, &c., spray	P. 13,990
,, W. C.	Water distributor	13,899
,, W. H.	Reinforcing brickwork ...	14,054
Jones, A.	Stump-jump plough	11,617
,, O.	Weighing, &c., mechanism ...	P. 13,982
Jose, W.	Removing inequalities in binder twine	13,985
Kaesler, R. E.	Propellers	P. 14,153
Kannuluik, J.	Hinging closet seats	13,282
Kemp, W. (*assignee*)	Fly-proof, &c., window screens	10,270
Kendall, W.	Oil engine	P. 14,156
Kennedy, E. E.	Displaying advertising matter ...	13,155
Kerr, F. F.	Pneumatic tyres	13,905
Kilborn, A.	Milking machines	P. 13,988
King, A. J.	Boot heel	P. 13,903
,, S.	Motor road vehicles	P. 13,986

Name.	Subject.	Number.
Kingstone, G.	Motor road vehicles	P. 13,986
Kinnear, G. E.	Smoke prevention, &c. ...	P. 13,972
Kirkby, E. H.	Thermostatic alarms	11,597
Koller, J. C.	Metal extraction	12,789
Koszegi, K.	Cultivators	14,007
Kraft, H. P.	Stoppers, nozzles, &c. ...	14,081
Lacoste Ship Brake Co. Ld. (Lacoste) ...	Ship brakes...	14,089
Lamb, J. G.	Displaying, &c., curtains, &c. ...	11,725
,, R. E. H.	Adjusting doors, windows, &c....	P. 14,090
Lanham, D.	Lowering, &c., lifeboats ...	11,791
Laurenceson, E.	Bicycle, &c., inflators ...	P. 14,000
Lee, H.	Rotary pump, &c.	P. 13,883
,, N. R.	Cleaning vehicles	P. 14,074
Lindau, A. E.	Reinforcing concrete	14,098
Lister, C. A. G.	Blouse, &c., fastener ...	11,812
Lobnitz, F.	Rock cutting apparatus ...	14,031
Loftus, H. A.	Multi-furrow ploughs ...	11,782
Lütjohann, J. F.	Billiard table cushions ...	14,045
McCashney, W. E.	Wire rope socket	P. 14,029
McDonald, H. E.	Electric batteries	P. 13,975
McFarlane, C. E.	Gas from hydro-carbon oils ...	P. 13,891
McGeever, W. H.	Staff working of railways, &c....	12,213
McGeorge, J. C.	Tail-chute for dredges, &c. ...	13,948
McIntyre, C.	Washing clothes, &c.... ...	P. 14,011
,, M.	Rabbit exterminator, &c. ...	P. 14,037
McIsaac, J. T.	Welt slitting	11,558
McKay, H. V.	Cultivating implements ...	11,715
,, H. V.	Stripper harvesters	P. 13,925
,, J.	Invalids' beds, &c.	11,689
McKerihan, J. R.	Butter cutter	P. 13,931
McLean, A. L....	Cutting and planting potatoes ...	P. 14,089
McLennan, W. J.	Anæsthetic	P. 13,955
McLeod, C.	Centrifugal separators ...	13,886
,, C.	Centrifugal separators ...	13,887
,, C.	Centrifugal separators ...	13,888
Makinson, A. M.	Smoke producer	P. 14,124
Malcomess & Co. Ltd. (Baynes)	Pumping machinery	13,889
Malley, J., E. & P.	Vulcanizing apparatus ...	14,024
Mangnall, J.	Umbrellas, &c.	P. 14,110
Margetts, F. W.	Vehicle wheels	13,938
Marks, H. J.	Coupling, &c., railway vehicles...	13,521
Marr, T. C.	Cardboard carton	P. 14,148
Martin, C. E.	Rotary pumps, &c.	13,951
,, Clare L.	Vehicles	P. 14,071
,, W. A.	Hand stitching footwear ...	11,567
Mascord, G. W.	Electromotive power	P. 13,901
Massey-Harris Co. Ltd. (McLeod)... ...	Cream separators	13,886
,, ,, ,, ,, (McLeod)... ...	Cream separators	13,887
,, ,, ,, ,, (McLeod)... ...	Cream separators	13,888
May, Eliza & E. G.	Door holder	P. 14,161
Mayes, E.	Stamping cheques, &c. ...	P. 14,079

Name.	Subject.	Number.
M. Donaghy & Sons Pty. Ltd. (Jose) ...	Removing inequalities in binder twine	13,985
Meister, H.	Toaster	P. 14,015
Merrett, H. & C. E.	Internal combustion engines ...	11,644
Meudell, G. D.	Fuel manufacture	P. 13,973
Michell, A. G. M.	Centrifugal pumps	P. 14,049
Millane, R. F.	Railway car truck, &c. ...	14,033
Miller, J. A.	Roof spouting	P. 13,885
,, J. W.	Butter cutter	P. 13,931
Minehan, P. (*assignee*)	Railway-track weed destroyer ...	5818
Mjölkningsmaskin Aktie. (Wawrinsky & Albion)	Milking-organ tubes	14,021
Moir, W. A.	Two-cycle motor	14,160
Morris, T. R.	Dummy figures	P. 14,064
Moss, E.	Stamping cheques, &c. ...	P. 14,079
Munro, J. A.	Mattresses for invalids ...	13,939
Murnane, C.	Punching holes	P. 14,036
Murray, W. J.	Ball bearings	14,104
Newman, J. G.	Vehicle wheel	P. 14,067
Nielsen, N. J. W.	Cultivator	P. 13,890
Niven, H.	Rabbit, &c., trap	P. 13,966
Norman, F. E.	Cinematograph tent	P. 14,092
Nott, J. A.	Hat pin guard	P. 13,895
Olsen, P.	Rain protected hammock ...	P. 14,130
Omond, A. W.	Closet	P. 14,154
O'Neill, H. J.	Photographic printing frames ...	P. 14,163
Oviatt, H.	Direct production of iron ...	14,002
,, H.	Direct production of steel ...	14,003
Oxlade, R. & A. A.	Electric batteries	P. 14,125
Packham, W.	Extracting honey	13,936
Paltridge, C. C.	Room register, &c.	P. 13,958
Papprill, R. S.	Cane harvester	P. 14,132
,, R. S.	Disk plough	P. 14,133
Paris, F. J.	Drain pipe	P. 14,158
Parker, A. E.	Cow bail	13,922
Parsons, C. A. (*Hon.*)	Elastic fluid plant	14,023
,, C. A. (*Hon.*) (*assignee*)	Dynamo electric machinery ...	11,637
Peacocke, R. T. S.	Door stops	13,913
Pelham, F. C.	Boot heel	P. 13,903
Pemberton, P.	Football bladder fastener ...	P. 13,906
Perkin, J. E.	Combination seat, &c. ...	P. 13,987
Peukert, W. (*Dr.*)	Electrical oscillations ...	14,142
Phegan, J. L.	Shield for oars, &c.	P. 14,111
Phillips, C.	Rabbit destruction	P. 13,964
Pollen, A. H.	Composing machine	13,907
Pomeroy, J.	Bottle washer	P. 14,106
Potter, W. S.	Manganese steel rails ...	13,974
Powell, G. W.	Fertilizer	11,691
Pugh, R.A.C. Cure Co. Ld. (*assignee*) ...	Consumption, &c., cure ...	1868

Name.	Subject.	Number.
Ralph, J. T.	Boot heel	P. 13,903
,, R. W.	Displaying pictures, &c.	14,149
Reid, A. B.	Cutting, &c., crops	P. 14,009
Reilly, J. L.	Dust prevention, &c.	P. 14,086
Reseigh, E.	Roof gutters	12,367
Ridd, A.	Milking machines	P. 14,022
Robb, P. R.	Candle case and sconce	11,738
Robinson, E. W.	Destroying rabbits, &c.	P. 13,961
,, P.	Kettles, &c.	P. 13,978
Rose, A. R.	Extracting honey	13,936
Russell, F.	Railway switch, &c.	11,492
Rutty, M.	Smoking pipes	12,332
Ryan, C.	Detachable shirt collar	14,135
,, E.	Dust prevention, &c.	12,933
,, E.	Dust prevention, &c.	P. 14,086
Sauve, J. B.	Electrical fuse spitter	14,101
Sawyer, C. H.	Displaying advertisements	P. 14,122
Schweinert, M. C.	Stoppers, nozzles, &c.	14,081
Scott, A. H.	Boot or shoe	11,610
,, J.	Land-drainer	P. 13,901
Seager, J. B.	Carburettors	14,077
Serjeant, H. P.	Mattresses for invalids	13,939
Shailer, P. H.	Wheel	P. 13,916
Shaw, T.	Overhead irrigator	P. 13,992
Shearer, J. & D.	Stripper harvesters	11,977
Shekleton, J. H.	Bond for briquettes	11,621
Sheehan, H. (*assignee*)	Fly-proof, &c., window screens	10,270
Shirt, S. T.	Hand shears	11,688
Shuttleworth, J. J.	Vault, &c., structures	11,653
Siemens Bros. & Co. Ld. (Ferreira)	Railway, &c., signals	14,053
Simmonds, G. T.	Breeching brake	P. 13,928
Simpson, J.	Shaft tug	P. 13,979
,, T. W.	Glass bottles	14,005
,, W. S.	Direct production of iron	14,002
,, W. S.	Direct production of steel	14,003
Sims, A. H.	Churn and butter worker	P. 14,127
Sindell, R. S.	Cleaning vehicles	P. 14,074
Smith, C. B.	Sealing milk cans, &c.	12,969
,, F.	Tube for cycle, &c., tyres	P. 13,995
,, F.	Hair-waver	P. 13,996
Soc. Anon. "La Photo," &c.	Photographic printing	13,908
,, ,, ,, ,, ,,	Photographic objective	13,909
,, ,, ,, ,, ,,	Colour photography	13,910
,, ,, ,, ,, ,,	Photographs in colour	13,911
Société A. Tourres & Cie (Tourres)	Blowing bottles, &c.	14,047
Solomon, E.	Indicating train approach	P. 13,923
Speedie, J. A.	Animal traps	11,795
Spellmeyer, E. H.	Cloth measure	14,069
Stahl, A. E.	Window fastener	P. 13,917
Staubil, J.	Football bladder fastener	P. 13,906
Stone, H.	Boot and legging	14,119
Stoney, G. G.	Elastic fluid plant	14,023
Stroppel, M.	Clothes-hook	14,008
Sulman, H. L.	Ore concentration	P. 13,947
Sweeney, M. L.	Cable, &c., code	14,097
Széchényi, C. E.	Cultivators	14,007

Name.	Subject.	Number
Talbot, T.	Cow milking	P. 13,970
Tange, A. S.	Game	P. 13,921
,, A. S.	Metal clip for watch chains ...	P. 13,932
Tannenberg, C. E.	Dummy figures	P. 14,064
Tarran, F.	Hame hooks, &c.	14,010
Taylor "Excelecon," &c. (*licensee*) ...	Stamper batteries	5703
Taylor, J.	Hats, sweat bands, &c. ...	13,942
Teasdale, C. B.	Fuel manufacture	P. 13,973
Teece, C. S.	Combination seat, &c. ...	P. 13,987
Tennent, B. E.	Precipitating gold, &c. ...	13,896
Testro, J. C.	Hat pin guard	P. 13,895
,, J. C.	High pressure filter	P. 13,935
Thomson, J.	Cutting, &c., crops	P. 14,009
,, P. A.	Cutting, &c., crops	P. 14,009
Tomlinson, G.	Door stop, &c.	P. 14,137
Topp, D. S. C.	Cycle inflator connexion ...	P. 14,129
Tosi, A.	Wireless telegraphy	13,912
Tourres, A.	Blowing bottles, &c.	14,047
Towt, W.	Wire strainers	P. 14,082
Treat, C. H.	Cable, &c., code	14,097
Trent, W. J.	Safety lamps	11,620
Tunks, F. P.	Water heaters	P. 14,059
Turner, J.	Bottle washer	P. 14,106
,, P. S.	Electric braking	14,145
Turri, G. G.	Photographic printing ...	13,908
,, G. G.	Photographic objective ..	13,909
,, G. G.	Colour photography	13,910
,, G. G.	Photographs in colour ...	13,911
Tyree, W.	Re-inforced walls	P. 14,073
Un. Shoe Mach. Co. (*assignee*)	Cement to soles	180
,, ,, ,, ,, (Cavanagh & Doherty)	Boots, &c.	P. 14,099
,, ,, ,, ,, (Enslin)	Lacing shoe-uppers	11,333
,, ,, ,, ,, (Hadaway)	Vamp trimming	11,758
,, ,, ,, ,, (Winkley)	Boot, &c., soles	11,757
,, ,, ,, ,, (Winkley & McIsaac) ...	Welt slitting	11,558
Utard, E.	Drying bottles	14,056
Vintzentz, J.	Window spray	P. 14,068
Vogt, L. T. & Margaret	Cork finishing machine ...	P. 13,968
,, L. T. & Margaret	Cork cutting machines ...	P. 13,969
von Heidenstam, W. A. G.	Impregnating wood	14,051
Waern, J. D.	Wood working machinery ...	P. 14,044
Wakefield, C. C.	Calcium carbide	13,926
Waldon, R.	Gramophones	P. 14,150
Walker, C. J.	Pneumatic tyre cover	P. 14,028
,, J. H. & P.	Cocks and taps	14,057
Wall, W. C.	Hot blast furnace	P. 14,088
Ward, F. T.	Folding bedstead	P. 14,087
,, O. A.	Vehicle wheels	12,539
Ware, C. & S.	Rail and fish joint	P. 14,030

Name.	Subject.	Number
Wawrinsky, T. E.	Milking-organ tubes	14,021
Wells, H. G.	Jute bagging	P. 14,078
Wharington, G. H. G. (*licensee*)	Closets	9996
White, T. H.	Displaying, &c., curtains, &c. ...	11,725
Whitlock, W.	Hollow cavity brick walls ...	13,637
Will, L. & C. P.	Stump-jump ploughs	11,749
Williams, J. A.	Steam boilers	P. 13,993
,, J. L.	Washing tumblers, &c. ...	12,596
Willington, W. T.	Destroying cactaceous, &c., growths	P. 13,976
Wilson, J. & P.	Door regulator and lock ...	P. 13,991
,, W. G.	Cooling apparatus	13,944
,, W. R.	Motor-cars, &c.	11,760
Winkley, E. E.	Welt slitting	11,558
,, E. E.	Boot, &c., soles	11,757
Wood, E.	Bottle washer	P. 14,106
Woolf, L.	School-bag	P. 13,981
Woolley, T.	Cramp	P. 14,162
World Mailing Case Co. (Gray)	Mailing tube	14,114
Wright, A. H.	Commercial, &c., advertizer ...	P. 14,113
,, H.	Gate-lock	P. 13,994
Yeates, J. D.	Harrow cleaner	12,066
Young, R.	Ventilating mines, &c. ...	13,104

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

MARCH, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.4	Spirit levels. (Section 121, N.Z. /08)	Austin	14,075
00.7	Thermostatic alarms. (88.2)	Kirkby	11,597
	Group 01.—Acoustics.		
01.6	Keyboard mechanism. (05.7; 50.4; 56.2)	Aders	13,893
01.6	Selective mechanism for actuating types, &c. (50.4; 61.9; 67.1) ...	Aders	13,941
01.7	Sound boxes for gramophones, &c.	Waldon	P. 14,150
01.8	Music, &c., leaf turner	Bischof	11,808
01.9	Mechanical music teacher	Crombie	13,997
	Group 03.—Electric Railways and Power.		
03.8	Distribution of electro-motive power	Mascord	P. 13,904
	Group 05.—Telegraphy and Telephony.		
05.5	Directed wireless telegraphy. (Section 121, see France 387,933/08)	Bellini	13,912
05.5	Electrical oscillations of high frequency	Peukert	14,142
05.7	Keyboard mechanism. (01.6; 50.4; 56.2)	Aders	13,893

Class	Title.	Name.	Number.
	Group 07.—Electrolysis and Batteries.		
07.1	Primary electric batteries	Oxlade	P. 14,125
07.3	Electric batteries	McDonald	P. 13,975
	Group 08.—Mineral Chemistry.		
08.2	Treating calcium carbide	Wakefield	13,926
	Group 09.—Organic Chemistry.		
09.0	Precipitating gold, &c. (14.5; 26.1; 28.3; 33.1)	Tennent	13,896
	Group 10.—Crushing and Grinding.		
10.5	Outlets for grinding pans	Forwood	P. 13,927
	Group 11.—Mech. and Elec. Separation.		
11.1	Taking samples from streams of liquid, &c.	Duncan	P. 13,999
11.4	Tin and gold saving. (11.9; 12.1)...	Beckham	11,473
11.9	Tin and gold saving. (11.4; 12.1)	Beckham	11,473
11.9	Gold saving machine	De Baun	P. 14,138
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Tin and gold saving. (11.4; 11.9)	Beckham	11,473
12.5	Extraction of metals	Cronin	P. 13,945
12.5	Ore concentration	Sulman	P. 13,947
	Group 13.—Amalgamation.		
13.3	Amalgamating	Hefford	P. 13,934
	Group 14.—Leaching Metallurgy.		
14.5	Metal extraction. (14.7)	Koller	12,789
14.5	Precipitating gold, &c. (09.0; 26.1; 28.3; 33.1)	Tennent	13,896
14.7	Metal extraction. (14.5)	Koller	12,789
	Group 15.—Metallurgy in Furnaces.		
15.2	Salts or oxides of lead. (79.2)	Barton	14,151
15.4	Direct production of iron from ore. (Section 121, see U.S.A. /08)...	Simpson	14,002
15.4	Direct production of steel from ore. (Section 121, see U.S.A. /08)...	Simpson	14,003
	Group 16.—Furnaces.		
16.1	Continuous brick kiln	Hesketh	P. 14,140
16.30	Suction gas plants. (16.8)	Berry	11,546
16.8	Suction gas plants. (16.30)	Berry	11,546
16.8	Receiving and delivering coke	Hunt	P. 13,959
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Hot blast furnace	Wall	P. 14,088
17.7	Smoke prevention, &c.	Kinnear	P. 13,972
17.7	Heat economizer in boiler, &c., furnaces. (63.2; 63.4; 69.1) ...	Brazenall	14,046
17.7	Machine for drying bottles. (25.5.) (Section 121, U.S.A. 901,757/08)	Utard	14,056

Class	Title.	Name.	Number
	Group 19.—Glass and Ceramics.		
19.1	Bricks and other building blocks. (81.1)	Dashwood	14,141
19.6	Manufacturing glass bottles	Simpson	14,005
19.6	Machines for blowing bottles, &c.	Tourres	14,047
19.6	Drinking attachment for bottles	Dunne	14,146
	Group 20.—Solid and Liquid Fuel.		
20.2	Briquette bond	Shekleton	11,621
20.2	Fuel manufacturing composition	Meudell	P. 13,973
	Group 21.—Gas for Light and Heat.		
21.4	Gas from hydro-carbon oils	McFarlane	P. 13,891
21.4	Automatic gasometer	Edwards	P. 13,897
21.81	Portable acetylene lamp	Bradley	11,491
21.85	Acetylene gas generator	Goss	P. 14,136
	Group 22.—Candles and Lamps.		
22.1	Pocket candle case and sconce	Robb	11,738
22.2	Extinguishing overturned lamps	Trent	11,620
	Group 24.—Domestic Heating; Cooking.		
24.2	Domestic fires, ranges, &c. (24.5; 81.6)	Hislop	14,050
24.5	Hot showers for baths, &c.	Jackson	11,536
24.5	Extracting honey from cappings. (38.4)	Packham	13,936
24.5	Kettles, &c.	Robertson	P. 13,978
24.5	Bath heater	Davey	P. 14,026
24.5	Domestic fires, ranges, &c. (24.2; 81.6)	Hislop	14,050
24.5	Slow combustion water heaters	Tunks	P. 14,059
24.7	Cooking utensils	Collier	P. 13,902
24.7	Toaster	Meister	P. 14,015
	Group 25.—Washing; Cleaning; Brushes.		
25.1	Washing liquid for clothes, &c.	Bush	P. 14,017
25.2	Washing machine	Barrett	11,522
25.2	Washing clothes, &c.	McIntyre	P. 14,011
25.5	Washing tumblers, &c.	Williams	12,596
25.5	Appliance for scrubbing fabrics	Campbell	P. 14,020
25.5	Machine for drying bottles. (17.7.) (Section 121, U.S.A. 901,757/08)	Utard	14,056
25.5	Rotary bottle, &c., washer	Pomeroy	P. 14,106
25.6	Clothes line prop	Campbell	P. 14,019
25.9	Cleaning vehicles, &c.	Sindell	P. 14,074
	Group 26.—Bleaching and Dyeing.		
26.1	Precipitating gold, &c. (09.0; 14.5; 28.3; 33.1)	Tennent	13,896
	Group 28.—Distillation and Filtration.		
28.1	High pressure filter	Dondey	P. 13,935
28.2	Filters	Burt	14,095
28.3	Precipitating gold, &c. (09.0; 14.5; 26.1; 33.1)	Tennent	13,896

Class	Title.	Name.	Number.
	Group 29.—Refrigeration.		
29.2	Cooling apparatus. (29.3)	Wilson	13,944
29.3	Cooling apparatus. (29.2)	Wilson	13,944
29.3	Butter and general provision cooler	Cort	P. 14,070
29.7	Refrigerating sideboard	Diamanti	P. 13,924
	Group 30.—Ploughing.		
30.3	Cultivating machines. (30.7)	Koszegi	14,007
30.5	Multi-furrow ploughs	Loftus	11,782
30.7	Disk stump-jump plough. (30.9)	Jones	11,617
30.7	Plough and land cultivators. (31.2)	McKay	11,715
30.7	Stump-jump ploughs. (30.9)	Will	11,749
30.7	Cultivating machines. (30.3)	Koszegi	14,007
30.7	Mechanically operated disc plough	Papprill	P. 14,133
30.9	Disk stump-jump plough. (30.7)	Jones	11,617
30.9	Stump-jump ploughs. (30.7)	Will	11,749
	Group 31.—Cultivation.		
31.1	Fertilizer drills, &c.	Brooks	11,591
31.1	Cutting potato sets for planting	McLean	P. 14,080
31.2	Plough and land cultivators. (30.7)	McKay	11,715
31.2	Harrow cleaner	Yeates	12,066
31.2	Cultivator	Nielsen	P. 13,890
31.5	Destroying cactaceous, &c., growths	Fortescue	P. 13,976
31.5	Prickly pear destroyer	Jarmain	P. 14,058
31.5	Prevention of injury by frost to agricultural, &c., products ...	Makinson	P. 14,124
31.7	Fertilizer	Powell	11,691
31.9	Water distributor. (67.4; 88.1.) (Section 85, see 10,534/07) ...	Johnson	13,899
31.9	Garden and lawn spray	Johnson	13,990
31.9	Overhead irrigator	Shaw	P. 13,992
	Group 32.—Harvesting.		
32.2	Cutting, &c., sorghum and other crops	Reid	P. 14,009
32.3	Stripper harvesters. (60.3)	Shearer	11,977
32.3	Stripper harvesters	McKay	P. 13,925
32.3	Self-adjusting comb for harvesters	Egan	P. 14,018
32.6	Corn husker	Cooper	11,726
	Group 33.—Tropiculture.		
33.1	Precipitating gold, &c. (09.0; 14.5; 26.1; 28.3)	Tennent	13,896
33.1	Mechanical cane harvester	Papprill	P. 14,132
33.5	Smoking pipes	Jeantet	12,332
33.5	Cigarette packets or cartoons	Jackson	P. 14,038
	Group 34.—Cereals, Vegetables, Fruit.		
34.6	Baking cabinet. (45.6)	Horwood	11,675
34.6	Biscuit cutting machines	Green	14,115
34.6	Sheeter or bar machines	Green	14,116
34.6	Wire-cut soft cake machines	Green	14,117
	Group 35.—Meat Food.		
35.1	Slaughtering cattle, &c.	Bust	14,063

Class.	Title.	Name.	Number.
	Group 36.—Dairy Food.		
36.1	Teatcup	Gillies	P. 13,956
36.1	Teatcup	Gillies	P. 13,957
36.1	Appliances for cow milking	Talbot	P. 13,970
36.1	Delivery passages of milking machines	Kilborn	P. 13,988
36.1	Inflatable tubes for milking-organs	Wawrinsky	14,021
36.1	Milking machines	Ridd	P. 14,022
36.1	Teat cups of milking machines	Blake	14,085
36.2	Sealing milk, &c., cans. (57.5; 77.7)...	Smith	12,969
36.2	Measured milk billy can	Halley	P. 14,147
36.2	Hoops for milk cans, &c. (57.2)	Bellenger	14,155
36.6	Centrifugal separator bowls	McLeod	13,886
36.6	Centrifugal separator bowls	McLeod	13,887
36.6	Centrifugal separators	McLeod	13,888
36.6	Centrifugal milk cleaner	Clemesha	P. 13,920
36.6	Resilient step and journal bearings for vertical shafts. (60.4) ...	Dehne	14,072
36.7	Wind-operated butter churn. (90.7)	Crossing	P. 13,953
36.7	Churn and butter-worker	Sims	P. 14,127
36.8	Butter cutter	Miller	P. 13,931
36.8	Subdividing butter blocks	Hamilton	P. 14,065
	Group 37.—Pastoral.		
37.1	Lamb tailer and searer. (87.4)	Greenham	14,109
37.3	Cow bail	Browning	13,922
37.4	Branding animal carcases	Belk	P. 14,108
37.6	Driving gear for shearing machines. (62.7)	Duncan	P. 13,962
	Group 38.—Fowling; Fishing; Trapping.		
38.4	Extracting honey from cappings. (24.5)	Packham	13,936
38.6	Double delusion animal trap	Speedie	11,795
38.6	Rabbit, &c., trap	Niven	P. 13,966
38.6	Rabbit, &c., trap	Brewster	P. 14,012
38.9	Destroying rabbits, &c.	Robinson	P. 13,961
38.9	Rabbit suppression	Phillips	P. 13,964
38.9	Rabbit exterminator, &c.	McIntyre	P. 14,037
38.9	Ant banisher	Burke	P. 14,159
	Group 39.—Harness; Animal Power.		
39.6	Self-adjusting shaft tug	Simpson	P. 13,979
39.6	Hame hooks, &c.	Tarran	14,010
39.8	Saddle trees	Downing	14,164
	Group 40.—Textile Raw Materials.		
40.7	Indicating, &c., removal of inequalities from binder twine ...	Jose	13,985
	Group 41.—Weaving.		
41.5	Lacing shoe-uppers. (42.3; 44.5)	Enslin	11,333
41.9	Sheet india-rubber, &c. (47.5)	Gare	14,004
	Group 42.—Sewing.		
42.3	Lacing shoe-uppers. (41.5; 44.5)	Enslin	11,333
42.7	Welt slitting mechanism. (44.5)	Winkley	11,558
42.7	Needle for hand-stitching footwear. (44.5)	Martin	11,567

Class	Title.	Name.	Number.
	Group 43.—Wearing Apparel.		
43.1	Hand shears. (76.3)	Shirt	11,688
43.1	Mould for making dummy figures. (48.5)	Tannenberg	P. 14,064
43.3	Safety pocket	Donkin	P. 13,914
43.6	Collar	Ryan	14,135
43.7	India-rubber hair-waver	Smith	P. 13,996
43.8	Detachable hat-pin guard	Nott	P. 13,895
43.8	Hats, sweat bands, &c. (Section 121, see G.B., 10,005/*08*) ...	Taylor	13,942
43.9	Blouse and costume fastener	Lister	11,812
43.9	Metal clip for watch chains	Tange	P. 13,932
43.9	Sock holder	Angenot	13,952
43.9	Ladies' belt buckles	de Beaupuis	P. 13,971
43.9	Cuff link	Davis	P. 14,035
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Boot and other footwear	Aland	11,610
44.1	Ankle support shoe	Green	P. 14,032
44.1	Boots	Bell	P. 14,055
44.1	Boots and shoes	Cavanagh	P. 14,099
44.1	Combined boot and legging. (44.8)	Stone	14,119
44.3	Combination boot heel	Pelham	P. 13,903
44.3	Turned shoes. (Section 121, see U.S.A., 899,501/*08*)	Beal	13,977
44.3	Medicated insoles for boots, &c. (87.3)	Grant	P. 14,013
44.3	Attachable resilient boot heel	Haslam	P. 14,120
44.5	Lacing shoe-uppers. (41.5; 42.3)	Enslin	11,333
44.5	Welt slitting mechanism. (42.7)	Winkley	11,558
44.5	Needle for hand-stitching footwear. (42.7)	Martin	11,567
44.5	Boot sole machines	Winkley	11,757
44.5	Vamp trimming machines	Hadaway	11,758
44.5	Skiving machines. (47.3)	Flynt	P. 14,100
44.8	Umbrellas, &c.	Mangnall	P. 14,110
44.8	Combined boot and legging. (44.1)	Stone	14,119
	Group 45.—Furniture.		
45.1	Construction of chairs, &c.	Brown	P. 13,950
45.1	Combination seat and step-ladder	Teece	P. 13,987
45.2	Beds, &c., for invalids. (86.3)	McKay	11,680
45.2	Metallic bedsteads	Crane	13,943
45.2	Folding bed, &c. (45.3)	Anderstedt	P. 13,954
45.2	Rain protected hammock	Olsen	P. 14,130
45.2	Folding bedstead	Ward	P. 14,087
45.3	Folding bed, &c. (45.2)	Anderstedt	P. 13,954
45.6	Baking cabinet. (34.6)	Horwood	11,675
	Group 46.—Upholstery.		
46.1	Wire and hair mattresses. (87.3)	Serjeant	13,939
46.1	Spring mattresses	Goodall	P. 14,061
	Group 47.—Leather and Plastics.		
47.3	Skiving machines. (44.5)	Flynt	P. 14,100
47.5	Repairing pneumatic tyre covers. (97.87)	Clark	12,249
47.5	Adhesive composition for leather, &c. (97.87)	Devlin	P. 13,949
47.5	Artificial Para rubber	Blum	14,001
47.5	Sheet india rubber, &c. (41.9)	Gare	14,004
47.5	Vulcanizing apparatus	Malley	14,024

Class	Title.	Name.	Number.
	Group 48.—Paper; Bookbinding.		
48.5	Mould for making dummy figures. (43.1)	Tannenberg	P. 14,064
48.5	Paper bag making machines	de Jersey	P. 14,118
48.5	Cardboard carton	Marr	P. 14,148
	Group 49.—Clerical; Scholastic; Artistic.		
49.3	Mailing tube	Gray	14,114
49.6	Educational device for instruction in writing, &c.	Benton	P. 13,915
49.6	Facilitating study of geography	Cannon	14,094
	Group 50.—Typographic Printing.		
50.4	Keyboard mechanism. (01.6; 05.7; 56.2)	Aders	13,893
50.4	Selective mechanism for actuating types, &c. (01.6; 61.9; 67.1) ...	Aders	13,941
50.5	Typographical composing machines. (Section 121, see G.B., 6027/08)	Pollen	13,907
	Group 52.—Photography.		
52.1	Photographic objective		13,909
52.1	Colour photography		13,910
52.6	Photographic printing		13,908
52.6	Colour photography		13,911
52.6	Photographic printing frame support	O'Neill	P. 14,163
	Group 53.—Amusements.		
53.1	Football bladder fastener	Pemberton	P. 13,906
53.1	Waggon, &c., bodies	Hildyard	P. 13,919
53.2	Game	Tange	P. 13,921
53.4	Exhibiting advertisements, &c. (54.1)	Higgs	P. 13,965
53.6	Game of skill. (53.7)	Dando	11,979
53.6	Cushions for billiard tables	Lütjohann	P. 14,045
53.7	Game of skill. (53.6)	Dando	11,979
53.7	Ricochet	Dalglish	P. 13,918
53.7	Table golf	Filshie	P. 14,039
53.7	Indoor bowls	Filshie	P. 14,040
53.7	Quoit bagatelle	Filshie	P. 14,041
53.8	Cards for playing games	Gibbs	P. 13,984
	Group 54.—Commerce.		
54.1	Displaying advertisements	Kennedy	13,155
54.1	Holder for cards, &c.	Bray	P. 13,937
54.1	Room register, &c.	Paltridge	P. 13,958
54.1	Exhibiting advertisements, &c. (53.4)	Higgs	P. 13,965
54.1	Tram car, &c., street indicator	Beck	P. 14,043
54.1	Displaying advertisements by means of mirrors, &c.	Clayton	P. 14,091
54.1	Commercial and educational advertising	Wright	P. 14,113
54.1	Displaying advertisements	Sawyer	P. 14,122
54.1	Displaying pictures, &c.	Ralph	14,149
54.5	Stamping cheques to prevent fraud	Moss	P. 14,079
54.7	Displaying and storing curtains, &c.	Lamb	11,725
54.7	Window spray	Vintzentz	P. 14,068

Class.	Title.	Name.	Number.
	Group 56.—Counting, Measuring, Weighing.		
56.2	Keyboard mechanism. (01.6; 05.7; 50.4)	Aders	13,893
56.2	Cloth measuring machines. (56.4)	Heckel	14,069
56.4	Cloth measuring machines. (56.2)	Heckel	14,069
56.5	Measuring, &c., tea, &c. (76.8)	Earp	P. 13,884
56.8	Weighing, &c., apparatus	Jones	P. 13,982
56.8	Automatic weighing machine	Dayton	P. 14,126
	Group 57.—Packing, Compressing, Bottling.		
57.1	Jute bagging	Wells	P. 14,078
57.2	Hoops for milk cans, &c. (36.2)	Bellenger	14,155
57.4	Candle and match box	Apps	P. 14,134
57.5	Sealing milk, &c., cans. (36.2; 77.7)	Smith	12,969
57.5	Cork finishing machine. (75.2)	Vogt	P. 13,968
57.5	Cork cutting machines	Vogt	P. 13,969
57.5	Stoppers, syringe nozzles, &c.	Schweinert	14,081
57.6	Non-refillable bottle	Greatorex	P. 14,157
57.8	School-bag	Woolf	P. 13,981
	Group 58.—Chains, Ropes, Wire.		
58.3	Wire strainers	Towt	P. 14,082
58.5	Reinforcing bonds for brickwork. (81.2) (Section 121, G.B. 13,624/08)	Johnson	14,054
58.7	Socket for wire rope connexions	McCashney	P. 14,029
	Group 59.—Conveying and Lifting.		
59.1	Rock cutting. (84.5.) (Section 7, Vic., 19,285/02)	Lobnitz	14,031
59.2	Safety guards for lift wells	Carter	13,933
59.2	Electric door-lock. (77.5)	Bainton	14,048
59.8	Tail chute for gold dredges, &c.	McGeorge	13,948
59.9	Storing coal, &c.	Hunt	P. 13,960
	Group 60.—Mechanism; Lubrication.		
60.1	Mechanical movements. (62.8)	Cooley	14,143
60.2	Change speed gearing. (95.9)	Green	11,501
60.2	Speed gear for motors. (62.7; 95.9)	Humphreys	13,930
60.2	Differential gear	Benn	P 13,940
60.3	Stripper harvesters. (32.3)	Shearer	11,977
60.4	Resilient step and journal bearings for vertical shafts. (36.6) ...	Dehne	14,072
60.8	Ball bearings. (93.3)	Murray	14,104
60.9	Internal combustion engines. (66.5; 66.7)	Merrett	11,644
	Group 61.—Governors.		
61.7	Multi-way valve	Aders	14,006
61.7	Controlling plant using elastic working fluid. (61.9.) (Section 121, G.B., 6180/08)	Parsons	14,023
61.9	Selective mechanism for actuating types. &c. (01.6; 50.4; 67.1) ...	Aders	13,941
61.9	Controlling plant using elastic working fluid. (61.7.) (Section 121, G.B., 6180/08)	Parsons	14,023

Class.	Title.	Name.	Number.
	Group 62.—Power Storage.		
62.4	Ship brakes. (92.6)	Lacoste	14,089
62.7	Conveying power	Humphreys	13,929
62.7	Speed gear for motors. (60.2 ; 95.9)	Humphreys	13,930
62.7	Driving gear for shearing machines. (37.6)	Duncan P.	13,962
62.8	Keys for securing wheels, &c., on shafting	Chapman P.	14,062
62.8	Mechanical movements. (60.1)	Cooley	14,143
	Group 63.—Steam Power.		
63.2	Heat economizer in boiler, &c., furnaces. (17.7 ; 63.4 ; 69.1) ...	Brazenall	14,046
63.4	Water tube steam boilers	Williams P.	13,993
63.4	Heat economizer in boiler, &c., furnaces. (17.7 ; 63.2 ; 69.1) ...	Brazenall	14,046
63.4	Locomotive type boilers	Cowley	14,060
63.7	Separating fluids having different densities	Brown	14,105
	Group 64.—Cranked Engines.		
64.8	Rotary pump, &c.	Lee P.	13,883
	Group 65.—Reciprocating Motors.		
65.3	Rock drills. (85.4 ; 85.8)	Hastings	14,084
	Group 66.—Gas and Oil Engines.		
66.2	Six cycle oil engine	Kendall P.	14,156
66.2	Open crank-case two cycle motor	Moir	14,160
66.5	Internal combustion engines. (60.9 ; 66.7)	Merrett	11,644
66.5	Explosion engines. (66.8)	Harrington	14,076
66.5	Carburettors	Seager	14,077
66.5	Automatic carburettor	Clark P.	14,152
66.7	Internal combustion engines. (60.9 ; 66.5)	Merrett	11,644
66.8	Explosion engines. (66.5)	Harrington	14,076
66.8	Internal combustion engines	Blackstone	14,144
	Group 67.—Turbines; Rotary Motors.		
67.1	Selective mechanism for actuating types, &c. (31.6 ; 50.4 ; 61.9) ...	Aders	13,941
67.1	Turbine engines	Armitage P.	13,989
67.1	Turbines. (67.2)	Goldsborough	14,096
67.2	Turbines. (67.1)	Goldsborough	14,096
67.4	Water distributor. (31.9 ; 88.1.) (Section 85, see 10,534/07) ...	Johnson	13,899
67.4	Water wheel or motor	Day P.	14,123
	Group 68.—Pumps for Liquids.		
68.7	Rotary pumps, &c.	Martin	13,951
68.7	Rotary pump	Austin P.	14,042
68.7	Centrifugal pumps	Michell P.	14,049
	Group 69.—Blowers and Compressors.		
69.1	Heat economizer in boiler, &c., furnaces. (17.7 ; 63.2 ; 63.4) ...	Brazenall	14,046
69.4	Valve for air compressors	Govett P.	14,025
69.4	Pulsators	Gibson	14,102
69.4	Mining machinery. (85.7)	Gibson	14,103

Class.	Title.	Name.	Number.
	Group 70.—Casting and Stamping.		
70.2	Casting lead seals, &c. (Section 121, Denmark, 11,715/*08*) ...	Friderichsen	14,052
	Group 71.—Forging, Rolling, &c.		
71.4	Manganese steel rails	Potter	13,974
	Group 72.—Turning; Milling; Fitting.		
72.1	Punching holes	Murnane	P. 14,036
	Group 74.—Pipes and Fittings.		
74.5	Joining, &c., hose piping	Carr	P. 13,882
74.5	Securing hoses to water taps...	Crook	P. 14,034
74.5	Coupling device for hoses	Frearson	P. 14,121
74.7	Cocks and taps	Walker	14,057
74.8	Float valve for animal drinking troughs	Beaton	P. 14,139
	Group 75.—Abrading and Polishing.		
75.2	Cork finishing machine. (57.5)	Vogt	P. 13,968
75.2	Brightening knife-blades	Higginson	P. 13,998
	Group 76.—Cutlery; Plate.		
76.3	Hand shears. (43.1)	Shirt	11,688
76.8	Measuring, &c., tea, &c. (56.5)	Earp	P. 13,884
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Safety window fastener	Stahl	P. 13,917
77.5	Electric door-lock. (59.2)	Bainton	14,048
77.7	Sealing milk, &c., cans. (36.2; 57.5)	Smith	12,969
	Group 78.—Structural Hardware.		
78.2	Clothes-hook	Stroppel	14,008
78.5	Hinging closet seats, &c.	Kannuluik	13,282
78.8	Door stops	Peacocke	13,913
78.8	Door regulator and lock	Wilson	P. 13,991
78.8	Door stop and holder	Cooper	P. 14,016
78.8	Door stop and holder	Tomlinson	P. 14,137
78.8	Door holder	May	P. 14,161
	Group 79.—Paints, Adhesives, &c.		
79.2	Salts or oxides of lead. (15.2)	Barton	14,151
	Group 80.—Carpentry.		
80.1	Impregnating wood	von Heidenstam	14,051
80.3	Temporarily holding windows, &c., in position during adjustment ...	Lamb	P. 14,090
80.3	Cramp for fixing match boarding, &c.	Woolley	P. 14,162
80.5	Table tops of wood working machinery	Waern	P. 14,044
	Group 81.—Buildings, Streets, Fencing.		
81.1	Tie for hollow brick walls	Whitlock	13,637
81.1	Building concrete walls. (Section 121, see G.B., 5574/*08*) ...	Bowen	13,900
81.1	Bricks and other building blocks. (19.1)	Dashwood	14,141
81.2	Vault, &c., coverings. (87.9)	Shuttleworth	11,653

Class	Title.	Name.	Number.
	Group 81.—Buildings, Streets, Fencing—*continued.*		
81.2	Reinforcing bonds for brickwork. (58.5.) (Section 121, G.B., 13,624/08)	Johnson	14,054
81.2	Re-inforced concrete, &c., partition walls	Tyree P.	14,073
81.2	Reinforcing bar for concrete	Lindau	14,098
81.3	Daylight cinematograph tent	Filshie P.	14,092
81.4	Covering for roof gutters. (83.1.) (Section 85, see 10,392/07)	Reseigh	12,367
81.4	Roof spouting shield	Miller P.	13,885
81.6	Domestic fires, ranges, &c. (24.2; 24.5)	Hislop	14.050
81.9	Automatic gate-lock	Wright P.	13,994
	Group 83.—Waterworks.		
83.1	Covering for roof gutters. (81.4.) (Section 85, see 10,392/07)	Reseigh	12,367
83.1	Dirty water trap	Gray P.	13,892
83.1	Portable water system	Devine P.	14,131
	Group 84.—Excavation and Dredging.		
84.3	Land-drainer	Scott P.	13,901
84.5	Rock cutting. (59.1.) (Section 7, Vic., 19,285/02)	Lobnitz	14,031
84.8	Dredge	Askew	14,083
	Group 85.—Mining.		
85.2	Cutting and rimming tool for boring	Hynes P.	14,066
85.4	Rock drills. (65.3; 85.8)	Hastings	14,084
85.7	Cutting coal by oil, &c., motors	Hetherington P.	13,946
85.7	Boring apparatus	Davis P.	14,014
85.7	Grooving rock, &c.	Bowser P.	14,093
85.7	Mining machinery. (69.4)	Gibson	14,103
85.8	Rock drills. (65.3; 85.4)	Hastings	14,084
85.9	Ventilating mines, &c.	Young	13,104
	Group 86.—Sanitation.		
86.2	Deodorant distributor	Anderson P.	13,898
86.3	Beds, &c., for invalids. (45.2)	McKay	11,680
86.3	Sanitary commode	Gilruth P.	13,894
86.3	Closets	Berry P.	14,107
86.3	Sealed sanitary closet	Omond P.	14,154
86.4	Storm water safety drain pipe	Paris P.	14,158
86.5	Preventing dust on streets	Ryan	12,933
86.5	Mixture for dust prevention, &c.	Ryan P.	14,086
	Group 87.—Medicine.		
87.1	Anæsthetic	McLennan P.	13,955
87.3	Wire and hair mattresses. (46.1)	Serjeant	13,939
87.3	Medicated insoles for boots, &c. (44.3)	Grant P.	14,013
87.4	Lamb tailer and searer. (37.1)	Greenham	14,109
87.9	Vault, &c., coverings. (81.2)	Shuttleworth	11,653
	Group 88.—Salvage, Accidents.		
88.1	Water distributor. (31.9; 67.4.) (Section 85, see 10,534/07.)	Johnson	13,899
88.2	Thermostatic alarms. (00.7)	Kirkby	11,597
	Group 89.—War.		
89.9	Electrical fuse spitter	Sauve	14,101

Class	Title.	Name.	Number.
	Group 90.—Wind and Flying Machines.		
90.7	Pumping machinery	Bayne	13,889
90.7	Wind-operated butter churn. (36.7)	Crossing	P. 13,953
	Group 91.—Ship Building.		
91.4	Lowering, &c., lifeboats	Duffy	11,791
	Group 92.—Marine Propulsion.		
92.6	Ship brakes. (62.4)	Lacoste	14,089
92.6	Blade shield for oars, &c.	Phegan	P. 14,111
92.6	Screw propellers	Kaesler	P. 14,153
	Group 93.—Road Vehicles.		
93.3	Breeching brake	Simmonds	P. 13,928
93.3	Vehicles	Martin	P. 14,071
93.3	Ball bearings. (60.8)	Murray	14,104
93.4	Securing tyres on vehicle wheels	Braché	11,679
93.4	Vehicle wheels	Ward	12,539
93.4	Vehicle wheels	Fry	P. 13,967
93.7	Harness for attaching horses to vehicles	Briggs	P. 14,027
	Group 94.—Cycles.		
94.5	Bicycle, &c., driving mechanism	Butler	P. 13,980
94.9	Cycle pedal clips, &c.	Barnard	11,890
	Group 95.—Locomobiles.		
95.3	Railway car truck and bogie	Millane	14,033
95.3	Motor road vehicles	Kingstone	P. 13,986
95.7	Road traction vehicles. (95.9)	Charley	11,358
95.7	Motor-cars, &c. (95.9)	Wilson	11,760
95.9	Road traction vehicles. (95.7)	Charley	11,358
95.9	Change speed gearing. (60.2)	Green	11,501
95.9	Motor-cars, &c. (95.7)	Wilson	11,760
95.9	Speed gear for motors. (60.2 ; 62.7)	Humphreys	13,930
	Group 96.—Rolling Stock.		
96.1	Convertible railway truck	Hitchins	P. 13,983
96.3	Railway vehicle couplings	Marks	13,521
96.6	Electric braking	Turner	14,145
	Group 97.—Wheels.		
97.6	Wheel	Shailer	P. 13,916
97.81	Spring wheels for vehicles	Margetts	13,938
97.83	Pneumatic tyres	Kerr	13,905
97.85	Valves for pneumatic tyres...	Bawden	P. 13,963
97.85	Bicycle, &c., inflators	Laurenceson	P. 14,000
97.85	Check valve for inflating footballs, &c.	Alkemade	P. 14,112
97.85	Connexion for cycle, &c., inflator	Topp	P. 14,129
97.87	Repairing pneumatic tyre covers. (47.5)	Clark	12,249
97.87	Adhesive composition for leather, &c. (47.5)	Delvin	P. 13,949
97.87	Flexible cover for pneumatic tyres	Walker	P. 14,028
97.89	Puncture-proof tube for cycles &c.	Smith	P. 13,995
97.89	Pneumatic wheel for road vehicles	Newman	P. 14,067
97.89	Band for metallic covers of rubber tyres. (Section 85, 12,119/08)...	Crowley	P. 14,128

Class.	Title.	Name.	Number.
	Group 98.—Permanent Way.		
98.1	Rail joint for railways	Cowdery	11,840
98.1	Rail and fish joint	Ware	P. 14,030
98.2	Preventing railway collisions...	Angus	11,446
98.2	Railway switch and signal. (99.1)	Russell	11,492
	Group 99.—Signalling.		
99.1	Railway switch and signal. (98.2)	Russell	11,492
99.4	Staff working of rail- and tramways	McGeever	12,213
99.4	Exchangers in tablet system of railway traffic control	Clark	13,284
99.6	Railway train indicator	Solomon	P. 13,923
99.6	Electrically operating railway, &c., signals. (Section 121, G.B., 10,394/*08*)	Ferreira	14,053
99.6	Cable or telegraph code	Sweeney	14,097

DESCRIPTIVE SUBJECT INDEX

TO SPECIFICATIONS OPENED TO INSPECTION.

MARCH, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The numbers stated in parentheses after the subject indicate classes in which entries have also been made.

Applications under Section 121 are indexed at the stage at which they become open to public inspection.

Class.	Subject.	Name.	Number.
	Group 01.—Acoustics.		
01.2	Suspended bells or tubes; keyboard operated hammers	Dodd	12,915
01.6	Solenoids using alternating current to reduce sparking for operating keyboards. (02.8; 50.4)	Main	12,737
01.6	Pneumatic player; action in case clamped on top of keyboard; flexible hose to bellows in seat cabinet	Crippen	12,786
01.7	Gramophone; fixed trumpet with movable connexion to sound box; modifications of sound box and stylus holders	Landon	11,006
	Group 02.—Dynamo Electric Machinery.		
02.0	Generator; stationary field and armature windings, induction varied by blowing iron filings through field. (02.3)	Reineke	12,806
02.1	Multi-polar shoes for track brake; divided pole pieces of one sign pass through holes in undivided opposite pole bar (96.6)	Cockshott	12,563
02.3	Generator; stationary field and armature windings, induction varied by blowing iron filings through field. (02.0)	Reineke	12,806
02.8	Solenoids using alternating current to reduce sparking for operating keyboards. (01.6; 50.4)	Main	12,737
	Group 03.—Electric Railways and Power.		
03.1	Insulator; impregnated wooden outer protector and central bolt sleeve; dripping lips, dust and rain excluders	Graham	11,711
03.1	Triangular folded sheet metal posts; tripod base in one piece. (81.8)..	Phipps	12,490
	Group 04.—Electric Apparatus.		
04.4	Call bell for party-line telephones. (05.2; 05.6; 05.7)	Soans	11,030

Class.	Subject.	Name.	Number.
	Group 05.—Telegraphy and Telephony.		
05.2	Selecting relay for party-line telephone. (04.4 ; 05.6 ; 05.7) ..	Soans	11,030
05.5	Annulling effects of external disturbances ; signalling by altering frequency of continuous groups of waves, with frequency intermediate between commercial frequencies and the superior limit of sensibility of an aural receiver. (61.9)	Fessenden	12,680
05.5	Directing waves and finding direction ; by use of two aerials with axes in phase or in opposition. (Sec. 121, France 387,933/*08*)	Bellini	13,912
05.6	Selecting relay for party-line telephone. (04.4 ; 05.2 ; 05.7) ..	Soans	11,030
05.6	Mounting transmitters on radial brackets on horizontal axis ; to adjust to the height of the user. (Sec. 121, G.B. 5080/*08*)	Aitken	13,815
05.7	Selective party-line system ; polarized relays at street junctions. (04.4 ; 05.2 ; 05.6)	Soans	11,030
	Group 06.—Electric Lamps.		
06.4	Colloidal tungstic acid, metatungstic acid, or ammonium metatungstate, as binding material for tungsten filaments	Lederer	12,321
06.4	Hollow tungsten or molybdenum filaments ; metal deposited on carbon core, carbon removed by heating in atmosphere of nitrogen and hydrogen	Lederer	12,322
06.4	Tungsten filaments ; tungsten product from Delépine's process, reduced to plastic doughy mass for squirting, &c. (08.6)	Lederer	12,372
06.4	Tungsten, carbon and hydrogen compound ; three processes. (08.6.) (Sec. 121, G.B. 23,988/*07*)	Harrison	12,821
	Group 08.—Mineral Chemistry.		
08.6	Plastic treatment of product from Delépine's tungsten process, for lamp filaments. (06.4)	Lederer	12,372
08.6	Tungsten, carbon and hydrogen compound ; three processes. (06.4.) (Sec. 121, G.B. 23,988/*07*)	Harrison	12,821
	Group 09.—Organic Chemistry.		
09.3	Synthesis of methane from water gas by heated nickel ; plant diagram. (21.2)	Sabatier	12,368
09.9	Acid or alkaline casein powder ; coagulation by ferment or acid, &c., with agitation and successive heating and cooling. (36.9) (Sec. 121, G.B. 6247/*08*)	Baechler	13,177
	Group 10.—Crushing and Grinding.		
10.1	Tappet shaken shoot, under hopper in ore-stamps. (10.2 ; 13.2) ..	Thomas	12,760
10.2	Stamp battery ; pneumatic cushioning and accelerating cylinder ; shaking ore feeder ; mortar box detail, &c. (10.1 ; 13.2) ..	Thomas	12,760
10.6	Disintegrating crushed ores before flotation or other treatment, by agitation with alkalies or silicates ; optional preheating. (12.2) (Sec. 121, G.B 6148/*08*)	Lockwood	13,666
10.7	Feeding chaff-cutters by reciprocating grips driven from cutter wheel shaft by eccentrics	Cliff	11,356
	Group 11.—Mech. and Elec. Separation.		
11.3	Polygonal grading trommel with concave sectors separated by lifting ribs which pass the large particles into internal shoots leading axially to the next section	King	11,037
11.3	Rotating wire screen for confectionery ; cleaned by internal brushes. (25.8 ; 34.8)	Fenwick	11,201
11.4	Shaking table with flexible riffled surface adjustable to different inclinations by truss rods	Eccleston	12,699

Class.	Subject.	Name.	Number.
	Group 12.—Hyd. and Pneu. Separation.		
12.2	Disintegrating crushed ores before flotation or other treatment, by agitation with alkalies or silicates; optional preheating. (10.6) (Sec. 121, G.B. 6148/*08*)	Lockwood	13,666
	Group 13.—Amalgamation.		
13.2	Copper plate table with mercury grooves and baffles, in stamp mill. (10.1; 10.2)	Thomas	12,760
	Group 14.—Leaching Metallurgy.		
14.4	Precipitating gold from cyanide solutions by adding the precipitant to the solution while in motion; plant diagram. (14.7; 28.1)	Merrill	12,648
14.7	Vats, and pump, plant, for mixing metallic and other precipitants, and circulating cyanide liquor; filtering. (14.4; 28.1)	Merrill	12,648
14.7	Slimes filter tank with filtering surface on top and sides. (28.1)	Imlay	12,756
14.7	Rotary leaching cylinder with circumferential vacuum filter; end door and trunnion connexions. (28.2)	Donovan	12,865
	Group 15.—Metallurgy in Furnaces.		
15.5	Refining iron and steel by steam and air-blast in vacuo, with chlorides. (16.33)	McCarty	12,692
15.5	Iron refining; removing S, P, &c., by treatment with chlorides and superheated steam in a converter with intermittent exhaustion. (16.33)	McCarty	12,730
	Group 16.—Furnaces.		
16.30	Gas fired lime kiln; lower zone divided by radial partitions with cooling passages. (18.3)	Schmatolla	12,899
16.30	Vertical gas fired lime kiln with three arc-shaped chambers at the bottom. (18.3)	Schmatolla	12,900
16.33	Blast furnace or converter for iron refining in vacuo, perforated walls. (15.5)	McCarty	12,692
16.33	Combined blast furnace and converter for intermittent exhaustion with or without vacuum chamber below crucible. (15.5)	McCarty	12,730
16.45	Cement kilns fired by long producer-gas flame fed by air pre-heated by passing through rotary clinker cooler. (17.3; 18.3)	Spackman	13,026
16.45	Rotary cement kiln with cooling spray; movable hood; rotary cooler; clinker pit. (18.3.) (Sec. 121, N.Z. 24,606/*08*)	Allan	13,137
16.5	Water cooled rabble shaft and arm in one piece; coating of heat insulating material held on by projections, nails, &c.	Edwards	12,724
	Group 17.—Chimneys, Fumes, Smoke.		
17.3	Cement kilns fired by long producer-gas flame fed by air pre-heated by passing through rotary clinker cooler. (16.45; 18.3)	Spackman	13,026
17.5	Ring-turret machine for drying essence bottles by hot air jets on a ring heater. (25.5) (Sec. 121, U.S.A. 901,757/*08*)	Utard	14,056
	Group 18.—Stones, Cement, &c.		
18.3	Gas fired lime kiln; lower zone divided by radial partitions with cooling passages. (16.30)	Schmatolla	12,899
18.3	Burning limestone by regulated gas flame, in a vertical shaft kiln with top-closing valve. (16.30)	Schmatolla	12,900
18.3	Burning cement in rotary cylinder furnace heated by radiation from long producer-gas flame. (16.45; 17.3)	Spackman	13,026
18.3	Cooling the burning zone of rotary cement kiln by external water spray; clinker cooling by waste water. (16.45.) (Sec. 121, N.Z. 24,606/*08*)	Allan	13,137
18.5	Hinged and grooved mould-box for perforated blocks; cores attached to base plate with interposed perforated lifting grid. (78.9; 81.1)	Tyree	11,162

Class.	Subject.	Name.	Number
	Group 19.—Glass and Ceramics.		
19.6	Gapped ring of adjustable converging flames for use in blowing bottoms on glass tubes	Bornkessel	12,693
	Group 21.—Gas for Light and Heat.		
21.2	Producing water gas of constant composition by maintaining constant furnace temperature. (09.3)	Sabatier	12,368
21.3	Oil vaporizer and air mixer for illumination; retort tube heated by back-pass bunsen flame; external ventilated metal casing. (23.3)..	Seehausen	11,777
21.4	Carburettor plant; air admission through perforated pipes above and below liquid surface; gas-holder air control	Mieville	12,696
21.4	Baling wheel, with four tabular arms, adjustable rim cups and central discharge for oil feeding. (68.1)	Shearer	13,060
21.7	Pasteurizing beer, &c., by passage through flat heated passages filled with woven wire baffles or deflectors. (36.3)	Goetz	12,960
	Group 22.—Candles and Lamps.		
22.2	Fat-lamp for paraffin wax, tallow, &c.; cylinder container with spring feed; two designs of wick-holder with shut-off plug; miner's hook and spike support	Destefani	10,757
22.5	Detachable shades and fittings for inverted mantles; partly interchangeable with electric fittings; six designs. (23.5.) (Sec. 121, G.B. 10,321/*08*)	Zechnall	13,128
22.8	Lighting-up diaphragm takes high or low position on toothed ring at alternate pressure impulses; two designs	Cowper-Smith	12,139
	Group 23.—Bunsen and Incand. Burners.		
23.3	Back-pass bunsen for heating vaporizer retort of air and hydrocarbon mixer. (21.3)	Seehausen	11,777
23.5	Inverted mantle lamps; detachable bulb and shade carriers with flue spaces; six designs. (22.5.) (Sec. 121, G.B. 10,321/*08*)	Zechnall	13,128
	Group 24.—Domestic Heating; Cooking.		
24.5	Shower bath heater, &c.; spray falls between baffle plates through hot gases from bunsen burner	Jackson	11,536
24.5	Kettle hanger; yoke from chain; hang-up tipping lever	Elphick	12,706
24.7	Double invertible frying pan with removable handles in folding sockets	Vogler	12,017
	Group 25.—Washing; Cleaning; Brushes.		
25.5	Ring-turret machine for drying essence bottles by hot air jets on a ring heater. (17.5) (Sec. 121, U.S.A. 901,757/*08*)	Utard	14,056
25.6	Centrifugal hydro extractor and dryer for hemp; plant design. (40.1)	Richardson	13,061
25.8	Spiral-brush creeper; two diameters of bristles. (11.3; 34.8) ..	Fenwick	11,201
	Group 27.—Beverages.		
27.1	Still wine, neutralized by normal potassium tartrate and mixed with hydrolysed paste of albumen or meat powder. (87.1) (Sec. 121, G.B. 4231/*08*)	Bendle	13,623
	Group 28.—Distillation and Filtration.		
28.1	Filter press; triangular or square cells; canvas supported between studded frames and gratings; several designs. (14.4; 14.7) ..	Merrill	12,648
28.1	Slimes filter tank with filtering surface on top and sides. (14.7) ..	Imlay	12,756
28.2	Cylindrical rotating filter frame; circumferential compartments, with suction vacuum, and back-pressure connexions through triple trunnion glands; cam operated valves	Arbuckle	12,797

Class.	Subject.	Name.	Number.
	Group 28.—Distillation and Filtration—*continued.*		
28.2	Rotary vacuum filter; cylinder with filter lining and trunnion connexions. (14.7)	Donovan	12,865
28.2	Suction filter frames swing on wheel which rotates through slimes trough; trunnion and spoke air passages	Arbuckle	12,872
28.5	Distributing spray pipe for evaporators, rotated by liquid falling tangentially against vanes in annular gutter. (68.9)	Scard	12,707
	Group 29.—Refrigeration.		
29.3	Open topped water bag with stiffened edges; two designs of sliding cover bar and handle. (57.8)	Sartain	10,994
	Group 30.—Ploughing.		
30.9	Coiled spring and adjusting ratchet for stump-jump beams, following 7838/*07*.	Mellor	12,209
	Group 31.—Cultivation.		
31.1	Seeders for wheeled ploughs, &c.; choking prevented by zigzag agitator above delivery aperture; friction drive from wheel	Morris	12,848
31.7	Gypsum granulated with 3 per cent. sulphate of ammonia and 1 per cent. of potash salts	Binney	12,510
	Group 33.—Tropiculture.		
33.1	Cane carrier; saw-tooth crossbars on endless chain carriers. (59.5) ..	Hurrey	12,609
33.5	Wad of cotton soaked in iron sulphate, placed in chamber in pipe-stem ..	Lyons	12,999
	Group 34.—Cereals, Vegetables, Fruit.		
34.2	Compressed fodder-cake, containing dried sterilized waste pulp from Phorimum Tenax, with chaff, corn, molasses, salt, &c. (40.1) ..	Richardson	13,062
34.3	Moistening flour by agitation in nearly saturated damp air	Thomas	12,774
34.8	Cleaning confectionery cast in starch moulds, by rotating wire screens, brushes, blower, conveyers, &c. (11.3; 25.8)	Fenwick	11,201
	Group 35.—Meat Food.		
35.1	Hand-supported circular knife or saw with flexible shaft and bevel gearing for skinning, cutting up, &c. (87.4)	Wallder	12,812
35.3	Packing rabbits; pair of trays or half-crates hinged longitudinally for folding together; two designs. (57.2) (Sec. 7, Vic. 19,320/*01*) ..	Burrell	12,675
	Group 36.—Dairy Food.		
36.1	Spring linkage for teat-press plates; springs coiled at both ends. (60.1)	von Celsing	12,980
36.1	Admitting first pressure to upper annulus of teat cup by a large port; oscillating pulse valve snifting the alternate vacuum and plenum ..	Wiggins	13,024
36.1	Producing pulling action on the teat by vertically oscillating the hinged teat-press by a piston or air bag. (Sec. 121, Sweden 2933/*07*) ..	Lindstrom	13,058
36.1	Governor for vacuum ejector; air piston closes steam needle valve when exhaustion is too great. (61.9; 69.1)	Blackham	13,157
36.2	Milk bucket with wide top flange for resting on the milker's knees. (57.2)	Higson	11,229
36.3	Pasteurizing milk, &c., by passage through flat heated passages filled with woven wire baffles or deflectors. (21.7)	Goetz	12,960
36.8	Tin filling machine; butter pressed from cylinder to worm which feeds the receptacle. (57.4)	Olsen	12,783
36.9	Acid or alkaline casine powder; coagulation by ferment or acid, &c., with agitation and successive heating and cooling. (09.9) (Sec. 121 G.B. 6247/*08*)	Baechler	13,177

Class.	Subject.	Name.	Number.
	Group 37.—Pastoral.		
37.1	Electric skocking belly-band to prevent masturbation of stallions. (87.8)	Sanborn	12,778
37.6	Stamped cutter plates for machine shears ; nearly vertical flanges with increased wearing edges ; shouldered or bushed fork holes	Virtue	13,173
	Group 38.—Fowling; Fishing; Trapping.		
38.9	Sulphur burner with grate, blower, and tubular compartment for generating chemical gases	Brightfield	11,805
	Group 39.—Harness; Animal Power.		
39.3	Nail-less horse-shoe ; metal band and renewable tread	Black	12,768
39.6	Cart-harness saddle ; attaching metal lining to wooden trough by end clips and brackets	Willmore	12,611
	Group 40.—Textile Raw Materials.		
40.1	Recovering saccharine juice and gum from fibre plants during steaming, washing, &c., plant diagram. (25.6)	Richardson	13,061
40.1	Cattle food utilizing the fleshy part of New Zealand flax. (34.2) ..	Richardson	13,062
40.1	Scutching fibres; alternating blades and combs on opposed endless chains	Toles	13,078
40.1	Peg drum inside cylindrical cage of fixed scutching bars ; casing and dampers for air current ; helical route of fibres through cage ..	Toles	13,079
40.1	Scutching opposite ends of fibre stalks ; rollers and deflecting shields for reversing the fibre at half length	Toles	13,080
	Group 42.—Sewing.		
42.3	Adjustable guide or jig for collar-button holes ; on sewing machine platen to obviate marking out. (43.1)	Tillie	12,824
42.7	Sewing machines, *as* G.B. 1113/*62* and 2113/*64* ; presser-foot and stitch setting ; yielding needle bar fulcrum, horn heating, wax pot and stop action. (44.5 ; 61.5)	Scott	11,059
42.7	Boot sewing machine ; presser-foot with movable nose operated transversely by feed-arm head. (44.5)	Plant	12,754
	Group 43.—Wearing Apparel.		
43.1	Adjustable guide or jig for collar-button holes, on sewing machines platen to obviate marking out. (42.3)	Tillie	12,824
43.3	Spring wire frame for aprons ; waist clip with bib extensions, replacing strings. (58.4)	Round	12,805
43.3	Shirt with vest-flap attachments having holes for passage of braces ..	Douglas	13,053
43.6	Collars, *as* 7963/*07* ; back stud hole with gaps at each side for insertion of tie band	Ryan	10,919
	Group 44.—Boots and Shoes; Umbrellas.		
44.3	Perforated inner sole of spongy rubber with studded or ribbed under surface ; three patterns	Coates	10,844
44.3	Insole with lateral slits for entrance and exit of rib forming knife. (44.5 ; 50.9)	Cavanagh	11,330
44.5	Sewing machines, *as* G.B. 1113/*62* and 2113/*64* ; presser-foot and stitch setting ; yielding needle-bar fulcrum, horn heating, wax pot and stop action. (42.7 ; 61.5)	Scott	11,059
44.5	Making lateral slits in insoles for entrance and exit of rib forming knife ; stamping size numbers. (44.3 ; 50.9)	Cavanagh	11,330
44.5	Combined pull-over machine (*as* G.B. 7005/*00*) and manual lasting machine ; manual toe wiper mechanism	McFeely	11,331
44.5	Combined pull-over machine (*as* G.B. 7005/*00*) and automatic lasting machine ; lasting wipers carried on work supporting arms and front tack arm	McFeely	11,332

Class.	Subject.	Name.	Number.
	Group 44.—Boots and Shoes; Umbrellas—*continued.*		
44.5	Pneumatic or hydraulic plunger brake for gripper arms in pull-over machines, *as* G.B. 7005/*00*. (62.4)	Bates	11,334
44.5	High speed loose nailer; positive cam actuated driver; work support clamp; parts timed to anticipate one another; clutch *as* G.B. 9828/*97*	Goddu	11,335
44.5	Sewing machine; presser-foot with movable nose operated transversely by feed-arm head. (42.7)	Plant	12,754
	Group 45.—Furniture.		
45.1	Folding and reclining chair; parallel motion bars connecting seat to arm and foot rests	Lundberg	11,043
45.2	Hinged head-rest for couches, &c., rack adjustment with spring detent frame and release cord	Branchflower	11,185
	Group 46.—Upholstery.		
46.1	Tensioning spring mattress on iron bedstead by compression springs on rods and cross bars	Stephenson	12,828
46.6	Picture rail of longitudinally folded sheet metal for nailing; dust shield and sliding hooks; modifications. (78.9)	Lascelles	12,704
46.6	Curtain clamp-hooks; supporting the fabric by pairs of spring friction clips attached to the curtain hook. (78.2) (Sec. 121, G.B. 4282/*08*)	Andreae	13,776
	Group 47.—Leather and Plastics.		
47.2	Bating hides in aqueous extract of pancreas and ammoniacal salts. (Sec. 121, G.B. 5377/*08*)	Rohm	13,777
	Group 48.—Paper; Bookbinding.		
48.5	Paper hand-bags for confectionery, &c.; card bottom, paper body, folding mouth, and cord handle. (57.8)	Dyson	12,839
48.5	Cardboard boxes *as* G.B. 11,010/*02*; securing stiffeners in end flaps by wire stitching; folding details, &c. (Sec. 121, G.B. 5583/*08*)	Wade	13,121
48.5	Card boxes; sides nailed to rectangular end frames with wire braces; several designs of double lap-joint	Ferguson	13,162
48.7	Single or multiple paper-folding, by sheet buckling with limited friction; slitting rolls; many details	Johnson	12,016
48.7	Elastic bands for binding sheets; elastic chains through perforations. (48.8)	Smith	12,762
48.8	Loose leaf binder; several designs of elastic chains instead of pillars. (48.7)	Smith	12,762
	Group 50.—Typographic Printing.		
50.4	Keyboard computing or tabular billing machine with electric motor; independent, or attachable to Underwood and like typewriters. (56.2)	Wright	12,731
50.4	Electrically operating several typewriters from a master-machine; alternately operating the secondary machines by perforated sheets; pneumatic return of platen. (01.6; 02.8)	Main	12,737
50.5	Multiple magazines; balancing for quick change; with correct register of entrances; six modifications of escapements. (*See* G.B. 9570/*97* and 15,058/*04*)	Pearce	12,369
50.5	Pair of linotype magazines separately hinged to frame at right and left edges; for rapid change without removal. (Sec. 121, G.B. 6027/*08*)	Holbourns	13,907
50.9	Figure wheels for marking sizes on boot insoles, in slashing machine. (44.3; 44.5)	Cavanagh	11,330
50.9	Box branding; vertical printing plunger with hand or power lever; die heated by swinging gas heater	Green	13,125

Class.	Subject.	Name.	Number.
	Group 53.—Amusements.		
53.2	Housing pillar for tennis nets, with driving foot and adjusting screws ..	Brennan	11,816
	Group 54.—Commerce.		
54.1	Advertisement display cylinder coupled to combined coin-freed weighing and vending machine. (55.7 ; 56.8)	Heimann	12,733
54.3	Receiving and delivering mails without dismounting from cart ; street-post with bracket and container returned by gravity ..	Lanier	12,755
54.3	Town marker for addressing machines ; sorting into batches and printing locality marks or devices	Cox	12,866
	Group 55.—Money.		
55.2	Savings box ; ramped entrance to horizontal passage with non-return slide and hinged flap to prevent coins being shaken out	Quinn	10,995
55.5	Multiple totalizing devices for separate accounts ; detachable entry-retaining mechanism ; controlling, registering, subtracting, ticket-printing ; transfer, locking and zero-stop devices ; special drawer and proprietor's counter. (56.2.) (*See* U.S.A. 580,378/*97*)	Church	12,816
55.7	Coin-freed packet vending machine coupled to weighing and advertising device ; coin controlled lock. (54.1 ; 56.8)	Heimann	12,733
	Group 56.—Counting, Measuring, Weighing.		
56.2	Keyboard computing or tabular billing machine with electric motor ; independent, or attachable to Underwood and like typewriters. (50.4)	Wright	12,731
56.2	Multiple totalizing, interlocking, and zero devices, &c., in credit registers, *as* U.S.A. 580,378/*97*. (55.5.)	Church	12,816
56.5	Recording gear for meters ; perforating multiple charge and cost sheets, one being retained	Gallagher	13,171
56.8	Personal weighing machine combined with vending and advertising ; coin controlled lock. (54.1 ; 55.7)	Heimann	12,733
	Group 57.—Packing, Compressing, Bottling.		
57.2	Milk bucket with wide top flange for resting on the milker's knees. (36.2)	Higson	11,229
57.2	Packing rabbits ; pair of trays or half-crates hinged longitudinally for folding together ; two designs. (35.3) (Sec. 7, Vic. 19,320/*01*) ..	Burrell	12,675
57.2	Connecting boards by interlocked wire staples to form boxes and cover hinges. (58.4 ; 78.5)	McMurray	12,876
57.2	Connecting four sides of boxes in flat order by longitudinal wires stapled through to end cleats, for subsequent closure. (58.4)	Inwood	12,877
57.3	Gear wheels and lever clutch for connecting power shafting to a wool press	Keene	10,865
57.4	Gumming labels and attaching to bottles ; vertical spring bottle carrier geared to spreading plates. (79.4)	Thornhill	12,628
57.4	Filling butter tins ; butter pressed from cylinder to worm which feeds to receptacle. (36.8)	Olsen	12,783
57.6	Double-closed bottle ; lower cork covered by releasable spring detent ; upper non-releasable stopper removed by breaking the upper rim ; ten designs of detents, &c.	Cameron	11,629
57.8	Open topped water bag with stiffened edges ; two designs of sliding cover-bar and handle. (29.3)	Sartian	10,994
57.8	Paper hand-bags for confectionery, &c., card bottom, paper body, folding mouth, and cord handle. (48.5)	Dyson	12,839
57.9	Ventilated package case with flexible divisions to compartments. (Sec. 85, 296/*04*)	Bradley	12,588

Class.	Subject.	Name.	Number.
	Group 58.—Chains, Ropes, Wire.		
58.1	Fastening wire ropes to shackles; bending back strands in tapered shank and running in with metal. (58.7)	Trewhella	11,434
58.1	Hand rope-laying plant for short lengths; intermediate floating frame; paying out grips; two styles	O'Donnell	12,660
58.3	Wire strainer and jointer; windlass and twister for "lineman's" joint; two designs	Tink	12,304
58.4	Spring wire frame for aprons; waist clip with bib extensions; replacing strings. (43.3)	Round	12,805
58.4	Forming and interlocking wire staples to connect box sides and form hinges. (57.2; 78.5)	McMurray	12,876
58.4	Machine for connecting four sides of boxes in flat order by longitudinal wires stapled through to end cleats, for subsequent closure. (57.2)	Inwood	12,877
58.7	Wire rope shackle, with T-coupling. (58.1)	Trewhella	11,434
	Group 59.—Conveying and Lifting.		
59.1	Six-wheeled waggon with platform on elevating jacks, for mechanically handling ships' plates. (91.2.) (Sec. 121, G.B. 20,793/07)	Trickey	11,759
59.1	Winding plant; linkwork from driving point to friction gear brakes and pawls; two designs	Thomas	12,710
59.2	Lift-well doors opened horizontally by parallel motion from cam channel on cage; additional sectional telescopic automatic barriers	Bentley	12,875
59.5	Cane carrier; saw-tooth crossbars on endless chain carriers. (33.1)	Hurrey	12,609
	Group 60.—Mechanism; Lubrication.		
60.1	Elastic spring link; flat wire with spiral coils around both end studs. (36.1)	von Celsing	12,980
60.7	Spring and wedge expanders for piston rings; various modifications	Allen	12,159
	Group 61.—Governors.		
61.5	One position stop-action in boot sewing machine by double friction-clutch. (42.7; 44.5)	Scott	11,059
61.7	Reducing valves for low pressure combinations of engines, turbines, &c.; combinations with governors and puff valves; seven designs. (61.9) (Sec. 121, G.B. 6180/08)	Parsons	14,023
61.9	Solenoid operated by-pass for controlling speed of steam turbines; contact controlled by constant speed motor and differential gear. (05.5)	Fessenden	12,680
61.9	Marine governor; float in a stern tube controls electro-magnetic butterfly throttle-valve. (92.2)	Beilby	13,110
61.9	Governor for vacuum ejector; air piston closes steam needle valve when exhaustion is too great. (36.1; 69.1)	Blackham	13,157
61.9	Reducing valves for low pressure combinations of engines, turbines, &c.; combinations with governors and puff valves; seven designs. (61.7) (Sec. 121, G.B. 6180/08)	Parsons	14,023
	Group 62.—Power Storage.		
62.4	Pneumatic or hydraulic plunger brake for gripper arms in pull-over machines, *as* G.B. 7005/00. (44.5)	Bates	11,334
	Group 65.—Reciprocating Motors.		
65.9	Piston with internal disc valve distributing fluid supplied through hollow tail rod	Holgate	12,796

Class.	Subject.	Name.	Number.
	Group 66.—Gas and Oil Engines.		
66.5	Carburettor; oil atomized by vibrating gauze screens	Barker	12,315
	Group 68.—Pumps for Liquids.		
68.1	Baling wheel with four tubular arms, adjustable rim cups and central discharge; for oil feeding. (21.4)	Shearer	13,060
68.9	Horizontal impact wheel, carried by diametral spray-pipe for distributing the liquid in evaporators. (28.5)	Scard	12,707
	Group 69.—Blowers and Compressors.		
69.1	Ejector for removing foul gases, &c.; annular air jet outside annular suction passage with auxiliary central jet	Coughlan	12,659
69.1	Vacuum ejector for milking, with needle valve and piston steam governor. (36.1; 61.9)	Blackham	13,157
	Group 70.—Casting and Stamping.		
70.2	Casting hollow lead seals; moving circle of moulds with radial cores withdrawn by eccentric cam groove; ejector wheel or crank. (Sec. 121, Denmark 11,715/*08*)	Friderichsen	14,052
	Group 76.—Cutlery; Plate.		
76.8	Slice supporting bracket for rotary meat slicing machines	Thomas	13,178
	Group 78.—Structural Hardware.		
78.2	Curtain clamp-hooks; supporting the fabric by pairs of spring friction clips attached to the curtain hook. (46.6) (Sec. 121, G.B. 4282/*08*)	Andreae	13,776
78.5	Hinging boxes by interlocked wire staples; forming and inserting machine. (57.2; 58.4)	McMurray	12,876
78.5	Pin and socket gate hinges; cast integrally on unequal brackets for oblique pivoting. (81.9)	Mason	12,966
78.8	Top and bottom racks and gear for holding sliding doors in any position three designs. (96.1; 96.8)	Rea	12,418
78.9	Perforated blocks of nailable concrete for attaching framing by tarred wood plugs; moulding box. (18.5; 81.1)	Tyree	11,162
78.9	Picture rail of longitudinally folded sheet metal for nailing; dust shield and sliding hooks; modifications. (46.6)	Lascelles	12,704
	Group 79.—Paints, Adhesives, &c.		
79.4	Half-roller with spreading plates geared to bottle carrier in labelling machine. (57.4)	Thornhill	12,628
	Group 80.—Carpentry.		
80.1	Treating timber, &c., in compressed air with creosote; afterwards removing superfluous oil by vacuum, finishing with air pressure ..	Ruping	12,479
80.3	Box opener; claw lever with hinged fulcrum; sliding driving handle ..	Curtis	12,732
	Group 81.—Buildings, Streets, Fencing.		
81.1	Perforated blocks of nailable concrete for attaching framing by tarred wood plugs; moulding box. (18.5; 78.9)	Tyree	11,162
81.1	Moulding concrete walls in situ; aluminium boxes, with clamps, &c., on roller carriages movable on tram plates laid on previous sections. (Sec. 121, G.B. 5574/*08*)	Bowen	13,900

Class.	Subject.	Name.	Number.
	Group 81.—Buildings, Streets, Fencing—*continued.*		
81.2	Railway dog spike with round neck and square shank. (98.4) ..	McDonald	12,972
81.3	Open framed tent-apartment, covered with inner insect-proof netting and outer removable canvas walls or shades	Millane	10,984
81.7	Bascule opening in low level deck of long-span bridges with continuous high level upper deck	Lancaster	11,413
81.8	Fence standard of twisted metal strip; pointed foot	Watson	10,831
81.8	V or triangular sheet metal post with tripod base in one piece. (03.1) ..	Phipps	12,490
81.9	Double latch for swinging gates; latch bar with two pivots in sector slots on post bracket; oblique gate pivots. (78.5)	Mason	12,966
	Group 83.—Waterworks.		
83.1	Preventing boiler incrustation; wattle bark, caustic soda and molasses	Murray	12,996
	Group 85.—Mining.		
85.4	Extended feed screw with ratchet arm for front-end feeding. (85.8) ..	Merry	12,775
85.4	Hammer drill; pneumatic feed cylinder arranged parallel to drill cylinder. (85.8)	Stephens	12,886
85.7	Post-hole auger on automobile carriage; vertical slide on horizontal trunnions; spacing gauge. (95.5)	Haselwood	11,170
85.8	Extended feed screw with ratchet arm for front-end feeding. (85.4)	Merry	12,775
85.8	Cradle swivel details; chuck with water feed; forked drift for removing drills; plug cock for water and air supply. (85.4)	Stephens	12,886
	Group 86.—Sanitation.		
86.2	Vessel with spring thumb valve, for discharging disinfecting oil in commode pans. (86.3)	Rawling	12,598
86.2	Use of oxychlorides (*as* G.B. 5596/*01*, &c.,) for treatment of effluents; plant diagram with float and spreader. (86.7)	Thomson	12,776
86.3	Earth closet; sliding plate between seat hopper and pan, linked to foot board; disinfectant reservoir and drip pipe	Syvret	12,107
86.3	In closet pans; segmental tray and spout hung inside at front to separate urine	Collins	12,509
86.3	Commode box; hand slide below hopper; alternative rack gearing to lid; disinfectant vessel with spring valve. (86.2)	Rawling	12,598
86.7	Use of oxychlorides (*as* G.B. 5596/*01*, &c.), for treatment of effluents; plant diagram with float and spreader. (86.2)	Thomson	12,776
	Group 87.—Medicine.		
87.1	Fumigating tablets; para- or meta-formaldehyde with paraffin wax, &c., as binder. (Sec. 121, G.B. 27,572/*07*)	Taylor	13,065
87.1	Still wine, neutralized by normal potassium tartrate and mixed with hydrolysed paste of albumen or meat powder. (27.1) (Sec.121, G.B. 4231/*08*)	Bendle	13,623
87.4	Hand supported circular knife or saw with flexible shaft and bevel gearing for surgical operations. (35.1)	Wallder	12,812
87.8	Electric shocking belly-band to prevent masturbation of stallions (37.1)	Sanborn	12,778
	Group 88.—Salvage, Accidents.		
88.2	Sprinkler; valve with celluloid face, closed by toggle strut secured by fusible link; spreader with radiating fixed vanes. (Sec. 121, G.B. 4450/*08*)	Jones	13,487
	Group 89.—War.		
89.5	Rifle sights; separate vertical adjustments by rack and screw; double heads on wind gauge. (Sec. 121. G.B. 6074/*08*)	Peddie	13,500

Class.	Subject.	Name.	Number.
	Group 90.—Wind and Flying Machines.		
90.3	Flying machine; axial tube with fixed wings and central propeller; inclined by swinging platform. (90.5)	Wilson	12,861
90.5	Steering barrel and fusee drum for adjusting inclination of aeroplane. (90.3)	Wilson	12,861
	Group 91.—Ship Building.		
91.2	Six-wheeled waggon with platform on elevating jacks, for mechanically handling ships' plates. (59.1) (Sec. 121, G.B. 20,793/07)	Trickey	11,759
91.8	Discharging cargo; adjustable bucket ladder on bridge-tower spanning the vessel between two pontoons	Suisted	12,892
	Group 92.—Marine Propulsion.		
92.2	Marine governor; float in a stern tube controls electro-magnetic butterfly throttle-valve. (61.9)	Beilby	13,110
92.6	Folding rowlock; hinged prongs turn down when stem is lifted in socket	Millar	11,387
	Group 93.—Road Vehicles.		
93.3	Parallel motions and bent levers with spring gear, connecting wheel gudgeons to axle. (97.81)	Granieri	12,282
93.4	Fish-piece for closing channel tyres; studs and boltheads lock in slots on tyre	Fortescue	12,869
	Group 95.—Locomobiles.		
95.5	Automobile with traversing rack on fore-carriage for post-hole auger (85.7)	Haselwood	11,170
	Group 96.—Rolling Stock.		
96.1	Sliding doors of box cars; toothed trolley hangers disengaged from top and bottom racks by eccentric and lever; three designs. (78.8; 96.8)	Rea	12,418
96.6	Multi-polar shoes for track brake; divided pole pieces of one sign pass through holes in undivided opposite pole bar. (02.1)	Cockshott	12,563
96.6	Tram-car brake winch with fusee barrel and pinion having roller bearings removable handle shaft; chain adjustment	Ackley	13,012
96.8	Ventilating box cars by partially opened sliding doors fixable at any position on top and bottom racks; three designs. (78.8; 96.1)	Rea	12,418
	Group 97.—Wheels.		
97.81	Attaching cushion tyres between fixed and loose flanges. (93.3)	Granieri	12,282
	Group 98.—Permanent Way.		
98.4	Reversible reinforced concrete sleeper; rail seats (both top and bottom) connected by round pipes forming sockets for square dog spikes. (81.2)	McDonald	12,972
	Group 99.—Signalling.		
99.2	Cleck-lock system with relay magnets; following G.B. 10,778/06 and 26,985/06. (Sec. 121, G.B. 4964/08)	Ferreira	13,779

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Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.	Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.	Vol. 10, for 1909, in progress.
Vol. 6, 1907, viii + 848 pages; 50 Nos.	

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.	Vol. 9, 1908, in progress—
Vol. 3, 1905, xvi + 576 pages; 7 parts.	Part A, Statistics
Vol. 5, 1906, xxiv + 634 pages; 6 parts.	,, B, Names Issued 19 Jan., 1909
Vol. 7, 1907, xxxii + 276 pages; 5 parts.	,, C, Classification ,, 26 Jan., 1909
	,, D, Numerical ,, 16 Mar., 1909
	,, E, States Proceedings ,, 23 Mar., 1909

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

OTHER FEES.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
Not exceeding one month ...	5	0	0
Not exceeding two months ...	10	0	0
Not exceeding three months ...	15	0	0
20. On enlargement of time for payment of renewal fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
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33. On application to correct clerical error, after sealing	0	10	0
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42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

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Vol. 10.] 1909. [No. 15.

Tuesday, 27th April.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.

Applications Received, 14,257 to 14,316.

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C.4821.

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,, 1909, No. 2		1s. 6d.
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NOTICE IS HEREBY GIVEN that the grantee of Australian Patent No. 8551, dated the 24th of April, 1907, for :—**"Improvements in or relating to brake mechanism for railway and other vechicles,"** is prepared to satisfy any demands and all requirements of the public respecting said invention. Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.

NOTICE IS HEREBY GIVEN that the grantees of Australian Patent No. 2664 dated the 3rd of March, 1905, for :—**"Motor-driven agricultural apparatus,"** are prepared to satisfy any demands and all requirements of the public respecting said invention.

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NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent No. 6753, dated the 28th day of August, 1906, for :—

"Improvements in caps or enclosures for bottles, jars, cans or other receptacles,"

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Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.

JOHANN SENN'S Australia Letters Patent No. 5484, dated 20th March, 1906, for "Improved leads or runners for the laces of boots and shoes and other laced articles."

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VOL. 10.] 27TH APRIL, 1909. [No. 15.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Examination for Patent Attorneys	301
Commonwealth—	
Applications Received	302
Provisional Specifications Accepted	306
Complete Specifications after Provisional	306
Applications (Prov.) Lapsed	307
Assignments Registered	307
Licence Registered	308
Complete Specifications Accepted	309
Illustrated Notes	309
Specification open to Public Inspection before Acceptance	322
Printed Specifications Published	323
Letters Patent Sealed	324
New South Wales—	
Assignment Registered	326
Victoria—	
Renewal Fees Paid	326
Assignments Registered	326
Queensland—	
Renewal Fees Paid	327
Assignments Registered	327
South Australia—	
Renewal Fees Paid	327
Assignments Registered	327
Western Australia—	
Renewal Fees Paid	328
Assignment Registered	328
Tasmania—	
Renewal Fees Paid	328

NOTICE.

Examination for Patent Attorneys.

It is hereby notified, for public information, that an Examination of Candidates for registration as Patent Attorneys will be held at the Patent Office, Melbourne, on the 2nd and 3rd August, 1909, or upon such other dates during that month as may be appointed by the Board.

The attention of Candidates intending to present themselves for examination is directed to Regulation No. 152 under the *Patents Act* 1903, which provides that—

> Every Candidate for admission to practise as a Patent Attorney shall, at least 30 days before the date appointed for holding any examination, lodge with the Secretary an application in Form FF, a declaration in Form GG, and a certificate in Form HH, in the Second Schedule, and pay the examination fee.

The fee for examination is £2, and applications must reach the Secretary before 2nd July, 1909.

The following books of reference have been prescribed by the Board:—

Edmunds on Patents (2nd edition).
Sebastian's Law of Trade Marks (4th edition).
Kerly on Trade Marks (2nd edition).
Patents Trade Marks and Designs, by David Fulton (2nd edition).

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

Patent Office,
Melbourne.

C.4821.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 15th to 21st April, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 15th April.

14,257. *Comp.* Harold Syr RINGSTAD, 10 Stirling-street, Redfern, N.S.W., factory manager,

"Glass bottle smoothing machine."

14,258. *Prov.* Richard Vallancey DANNE, engineer, and Howard Hughes MILLER, metallurgist, both of "Auburn," Domain-street, South Yarra, Melbourne, Vic.,

"Mining cage telephone system."

14,259. *Comp.* Charles ELLIOT, 244 California-street, San Francisco, Cal., U.S.A., tea broker,

"Apparatus for separating and affixing stamps and the like."

14,260. *Prov.* Fred SMITH, Lloyd-street, Dimboola, Vic., mechanic,

"An improved spring jump attachment to scarifiers and other like implements."

14,261. *Comp.* The Hon. Charles Algernon PARSONS, *C.B.*, and Albert William BOWERBANK, engineers, both of Heaton Works, Newcastle-on-Tyne, Northumberland, England,

"Improvements in controlling means for fluid operated motors."

14,262. *Prov.* Arthur WOODHOUSE, 271 Collins-street, Melbourne, Vic., journalist,

"A vermin proof fence."

14,263. *Prov.* Gordon George JOHNSTON, Citizens' Chambers, Moore-street, Sydney, N.S.W., mining broker,

"Improvements in pneumatic tyres."

14,264. *Prov.* William George MANNERS, 143 Hanbury-street, Kalgoorlie, W.A., mining engineer,

"Treatment of auriferous and argentiferous ores."

14,265. *Prov.* Reginald WALL, 59 Steadstreet, Albert Park, Vic., blacksmith,

"An improved automatic trip explosive alarm for military and other purposes."

14,266. Arthur BRAY, director of Geo. Bray & Co. Ltd., of Bagby Works, Leicester-place, Leeds, Yorkshire, Eng., gas lighting engineer,

Application under Sec. 121.

[Date applied for 24th Sept. 1908, being date of application in Great Britain, No. 20,076/*08*.]

"Improvements in and relating to acetylene and like gas burners."

14,267. *Prov.* Auguste Joseph Francois DE BAVAY, of "Florimel," Gellibrand-street, Kew, Vic., chemist,

"Improvements in the pneumatic tyres of cycles, motors, and the like."

14,268. *Prov.* Petrus Van Lanschott ALKEMADE, 440 Flinders-street, Melbourne, Vic., lime and cement merchant,

"An improved method of forming and jointing metal work for reinforcing concrete."

14,269. *Prov.* Sidney MCGUIRE, 47 Evan-street, Rozelle, N.S.W., boilermaker,

"Mechanical building cleaner."

Applications received, 15th to 21st April—*continued.*

Friday, 16th April.

14,270. *Comp.* Henry Anson Bates, 22 Lawn-avenue, Middletown, Middlesex, Connecticut, U.S.A., manufacturer,

"Improvements in shuttles for sewing machines."

14,271. *Prov.* John Bourne Millson, collector, c/o Messrs. Phillips, Ormonde and Co., 533 Collins-street, Melbourne, Vic.,

"An improved portable grate."

14,272. *Comp.* Vacuum Insulating Company of America, dealers, *assignee of* John Lampson Fate, *act inv.*, 2839 Kenmore-avenue, Chicago, Cook, Ill., U.S.A., gentleman,

"Improvements in and connected with vacuum jacketted receptacles."

14,273. *Prov.* John Boothman, 81 Wilson-street, Newtown, Sydney, N.S.W., coachbuilder,

"Improved double purchase band brake for vehicles."

14,274. *Comp.* Francois Louis Schauermann, 24 Montpelier-road, Twickenham, Middlesex, Eng., sculptor,

"Improvements in non-refillable bottles."

14,275. *Comp.* The Sandycroft Foundry Company Limited, *assignee*, Sandycroft, Flint, Wales, and James McKinlay, *act. inv.*, 31 Cheyney-road, Chester, Cheshire, Eng.,

"Improvements in the manufacture of mortar boxes for stamp mills."

14,276. *Prov.* William Frederick Rowe and Arthur Yates Harris, engineers, both c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improved means of smoke prevention in connection with boiler furnaces."

14,277. *Prov.* George Parrott Baker, Zillmere, carpenter, N.C. Railway, Qld., or Mr. Wakerly, Elizabeth-street, Brisbane,

"The open air churn for butter making."

14,278. *Comp.* Albert George Cole, commercial traveller, c/o T. C. Allen, 127 King-street, Sydney, N.S.W.,

"Improvements in earth closets or privies."

14,279. *Comp.* William Leonard Holms, Guadalajara, Mexico, metallurgical engineer, Leonard Melvill Green, 70 Basinghall-street, London, Eng., metallurgist, and John Shield Pattinson, Zacatecas, Mexico, engineer,

"Improvements in means for separating water or solution from solids, such as slimy ores, pulp, and the like."

14,280. *Prov.* William Silver, Tamworth, N.S.W., engineer,

"Improvements in overhead friction driving gear for shearing machine shafting."

Saturday, 17th April.

14,281. *Prov.* Robert Buck, cycle mechanic, and Percy Ramsden, produce merchant, both of Wangaratta, Vic.,

"Improvements in closet seats."

Monday, 19th April.

14,282. *Prov.* Joseph Sheard, Carpenters-street, Bendigo, Vic., mining student,

"The improved miners candle holder and saver."

14,283. *Prov.* Henry Niven, Baringhup, Vic., farmer,

"Improvements in self feeding mechanism for chaff cutters."

14,284. *Prov.* Sarah Beckett, Beckett's Livery Stables, Spring-street, Melbourne, Vic., household duties,

"The disconnecting portable cover for vehicles."

14,285. *Prov.* Edward Snart, Rutherglen, Vic., farmer,

"An improved apparatus for mixing ingredients of vermin-poisoning compounds."

14,286. *Prov.* Sydney George Lange, Mort's Dock, Balmain, N.S.W., pattern maker.

"Pianoforte attachment for turning leaves of music."

14,287. *Prov.* Richard James Warren, Forestdale, Chinchilla, Qld., grazier,

"The prickly pear destroying powder."

Applications received, 15th to 21st April—*continued.*

14,288. *Prov.* Mary HUGHES, 345 Punt-road, Richmond, Vic., milliner,

"Improved brush."

14,289. *Comp.* Thomas Robert Raney ASHTON, 40 Blandford-square, London, Eng., engineer,

"Improvements in magazine rifles."

14,290. *Comp.* George Francois JAUBERT, 155 Boulevard Malesherbes, Paris, France, chemist,

"A process for régulating the supply of fuel to heat engines working on a closed cycle."

14,291. *Comp.* Etienne Williams KUHN, 19 Goschen-street, Camberwell, London, Eng., engineer,

"Improved manufacture of fermented beverages."

14,292. *Prov.* Edwin Ernest SPARGO, mining engineer, c/o Albert E. B. Swanson, 352 Collins-street, Melbourne, Vic., patent attorney,

"A contrivance for holding and operating hand rock drills."

14,293. *Prov.* Herbert Thomas HAMILTON, 2 Burwood-road, Hawthorn, Vic., carpenter and joiner,

"Boards for covering the walls of wooden buildings."

14,294. AKTIEBOLAGET ELEKTROMETALL, constructors of furnaces, Bergsgatan 43, Stockholm, Sweden,

Application under Sec. 121.

[Date applied for 1st Aug., 1908, being date of application in Sweden.]

"Improvements in electric furnaces."

Tuesday, 20th April.

14,295. *Prov.* Claude Edward RULE, 43 Essex-street, Prahran, Vic., manager,

"Folding back rest."

14,296. *Comp.* MONOTYPE MACHINE (COLONIAL PATENTS) SYNDICATE LIMITED, 43 Fetter-lane, London, E.C., Eng., type casting and composing machine merchant, *assignee of* John Sellers BANCROFT and Mauritz C. INDAHL, *act. invs.*, Philadelphia, Penn., U.S.A., engineers,

"Improvements in justifying mechanism for pattern controlled composing machines."

14,297. George Francois JAUBERT, 155 Boulevard Malesherbes, Paris, France, chemist,

Application under Sec. 121.

[Date applied for 29th April, 1908, being date of application in France.]

"Process for manufacturing new salts derived from the alkaline, alkaline earthy and earthy peroxides."

14,298. *Comp.* William John STEWART, Ormeau-road, Belfast, Down, Ireland, building and engineering contractor,

"Improvements in and relating to reinforced concrete piling columns and the like."

14,299. *Prov.* George PAGE, 7 Virginia-street, Newtown, Geelong, Vic., engineer,

"An improved convertible gas and coal stove."

14,300. *Comp.* Peter Diedrich Hinrich OHLHAVER, Sande, near Bergedorf, Germany, manufacturer of milking-machines,

"Milking-machine."

14,301. *Comp.* Peter Diedrich Hinrich OHLHAVER, Sande, near Bergedorf, Germany, manufacturer of milking-machines,

"Milking-machine."

14,302. *Comp.* James HODGKINSON, 4 Halton Bank, Eccles Old-road, Pendleton, Manchester, Lancashire, Eng., engineer,

"Improvements in and connected with apparatus for use in evaporating liquids from brine for the production of salt, or for evaporating liquid from other solutions."

Wednesday, 21st April.

14,303. *Comp.* John MONASH, 49 Elizabeth-street, Melbourne, Vic., civil engineer, *communicatee of* Bruno MONASCH, *act. inv.*, 1 Daponte-gasse, Vienna, Austria, doctor of engineering,

"Improvements relating to the production of phase-displaced electro-magnetic oscillations."

Applications received, 15th to 21st April—*continued.*

14,304. *Prov.* John Thomas Jebb, 220 Cardigan-street, Carlton, Vic., bookmaker,

"Improved shock resisting apparel for jockeys and other riders."

14,305. *Comp.* George Henry Pedlar, Oshawa, Ontario, Canada, manufacturer,

"Improvements in interlocking metallic shingles."

14,306. *Prov.* Gilbert Charles Hedges, 59 Lonsdale-street, Melbourne, Vic., pianotuner,

"Piano wrest pin in solid iron frame."

14,307. *Prov.* Azor Robbins and Alexander William Porter, both of 82 William-street, Melbourne, Vic., motor experts,

"Improvements in or connected with vapor gas engines."

14,308. *Comp.* The Safety Tire Company, Flatiron Building, New York, U.S.A., manufacturer of vehicle tires, *assignee of* George William Crawford, *act. inv.*, New York, U.S.A., inventor,

"Improvements in cushion tires."

14,309. *Comp.* Edwin Letts Oliver, 218 South Church-street, Grass Valley, Nevada, Cal., U.S.A., metallurgical engineer,

"Improvements in continuous vacuum filters."

14,310. *Comp.* George Gates, 151 North Crittenden-street, San Jose, Santa Clara, Cal., U.S.A., machinist,

"Railway rail support and fastener."

14,311. *Comp.* Peter Lymburner Robertson, 76 Main-street west, Hamilton, Ontario, Canada, manufacturer,

"Improvements in screw manufacture."

14,312. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., shoe machinery manufacturer, *assignee of* Eliphalet Alexander Tripp, *act. inv.*, 20 Glidden-street, Beverly, Essex, Mass., U.S.A., inventor, and Linus Hall Shaw, *act. inv.*, 604 Crescent-street, Brockton, Plymouth, Mass., U.S.A., manager,

"Improvements in or relating to heel building machines."

14,313. *Prov.* Sidney Wilmot Winslow, 541 Cabot-street, Beverly, Essex, Mass., U.S.A., manufacturer, *assignee of* Charles Peder Holmes, *act. inv.*, 10 Pearle-street, Lynn, Essex, U.S.A., inventor,

"Improvements in or relating to method of and machine for forming chain stitches."

14,314. *Comp.* William John Murray, 256 Wellesley-street, Toronto, Ontario, Canada, manager (*assignee and nominee of act. inv.*),

"Ball bearings."

14,315. *Comp.* Charles Frank Burkhart, 1050 Ellicott-square, Buffalo, New York, U.S.A., manufacturer,

"Improvements in coin controlled devices."

14,316. *Comp.* Adolph Gustav Beckman, 323 South Mount-street, Baltimore, Maryland, U.S.A., broker,

"Fluid pressure regulator."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,366. Mawle, H. S.
Horizontal windmill.

1909.

13,741. Russell, J. C., & Lord, A. F.
13,742. Russell, J. C., & Lord, A. F.
13,767. Fenton, H.
13,809. Blackwell, H. Le T.
13,921. Tange, A. S., & Ellis, P.
13,937. Bray, W. C.
13,950. Brown, T. F.
13,953. Crossing, H. L. M.
13,954. Anderstedt, F. L., & Erickson, G. L.
13,956. Gillies, A.
13,957. Gillies, A.
13,958. Paltridge, C. C.
13,961. Robinson, E. W., & Hughes, H. F. & A. S.
13,965. Higgs, W. G.
13,967. Fry, R. J.
13,973. Meudell, G. D. (Teasdale)
13,982. Jones, O.
13,984. Gibbs, Anita A.
13,987. Perkin, J. E. (Teece)
13,988. Kilborn, A.
13,990. Johnson, C. J.
14,949. Michell, A. G. M.
14,062. Chapman, G.
14,066. Hynes, J.
14,082. Towt, W.
14,093. Bowser, G. M.
14,123. Day, H. F.
14,139. Beaton, C.
14,150. Waldon, R.
14,152. Clark, E. J., & Finkelstein, M.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,745. Robert Tividale White, Rainbow, Vic., farm manager,

"An improved apparatus for use on a stump jump plough and like implements for regulating the draught while in motion. 16th Apr., 1909.

11,987. Charles Wesley Nance, late of 348 Oxford-street, Paddington, N.S.W., provision merchant, now of 18 Bridge-street, Sydney, N.S.W., engineer,

"Improvements relating to means employed in the preservation and storage of perishable comestibles." 15th Apr., 1909.

11,995. James Wilson and George Somerville, both of Lilydale, Tas., farmers,

"An improved attachment to gang ploughs for guiding the same." 15th Apr., 1909.

12,007. Isaac Phizackerley, 169 to 171 Elizabeth-street, Sydney, N.S.W., manufacturer and importer of motor vehicles,

"Improvements in detachable body attachments of motor cars and the like." 19th Apr., 1909.

12,015. Matthew Thomas Batkin, High-street, Golden-square, Vic., manufacturer,

"An improved apparatus for the aeration of liquids." 21st Apr., 1909.

12,039. Alfred Henry Forrester, 58 Wattletree-road, Malvern, Vic., accountant,

"Buttonhole renewer." 17th Apr., 1909.

12,046. George William Green, "Lion's Lair," Woy Woy, N.S.W., carpenter,

"Improvements in wheels for road vehicles." 16th Apr., 1909.

12,097. Arthur John Bedford, late of 33 William-street, Melbourne, Vic., now residing at 6 Knowles-street, Northcote, Vic., and Harold Charles L'Oste Rolfe, late of 33 William-street, Melbourne, Vic., now of Equitable Buildings, Collins-street, Melbourne, Vic., manufacturers of fencing material,

"Improved fencing dropper." 16th Apr., 1909.

13,248. William Henry Hannam, 134 Castlereagh-street, Sydney, N.S.W., sanitary engineer,

"Improvements in metal slat venetian blinds." 15th Apr., 1909.

1909.

13,476. Richard Dennis Stacey, Laurance-street, Maldon, Vic., miner,

"A twin-basin jacket for rock drilling machines." 20th Apr., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,721. Hall, H. D.
11,788. Mayfield, H. F., & Collins, H. W.
11,789. Chapman, V. F. T.
11,793. Miller, C.
11,794. Hinson, W. (Atkinson)
11,796. Smith, T. D.
11,797. Smith, T. D.
11,798. Roberts, P. E.
11,800. Reading, S.
11,801. Green, G. W., & Boyce, E.
11,802. Bowser, G. M.
11,804. Tyree, W.
11,806. Burmeister, F. F.
11,807. Stevenson, J. H.

Assignments Registered.

1904.

1302. "An improved irrigation appliance."

Assignment of the whole *by* John Nunan *to*

Buzacott and Company Limited. Dated 1st Mar., 1909. Registered 1st Apr., 1909.

1905.

2634. "Improvements in bicycle handlebars."

Assignment of the whole *by* Arthur Otto Sachse *to*

Canada Cycle and Motor Company Limited. Dated 1st Aug., 1908. Registered 17th Apr., 1909.

1907.

7716. "A hollowed rubber heel fitting."

Assignment of the whole *by* John Robertson and Frank Blackburn *to*

Hal Goodacre. Dated 12th Feb., 1907. Registered 23rd Mar., 1909.

7769. "An improved trouser belt."

Assignment of the whole for the States of Queensland and New South Wales *by* Sydney George Blanton *to*

Thomas Brown and Sons Ltd. Dated 6th Feb., 1909. Registered 1st Apr., 1909.

8869. "An improved device for protecting the corners of mats and carpets."

Assignment of one-half share *by* Ernest Cohen *to*

Ernest Clarke. Dated 8th Apr., 1909. Registered 17th Apr., 1909.

8961. "Improvements in ore roasting process."

Assignment of one-half share *by* Arthur Redman Wilfley *to*

Joseph Seep. Dated 5th Jan., 1909. Registered 17th Apr., 1909.

9412. "An improved mechanism for driving sheep shearing machines."

Assignment of the whole *by* Paul Boll *to*

Ralph Sadleir Falkiner. Dated 29th Sept., 1908. Registered 25th Jan., 1909.

Assignments Registered—*continued.*

9423. "Improvements in the art of brewing beer and other liquors."

Assignment of the whole *by* Frank Rogerson *to*

Ozonair Limited. Dated 23rd Feb., 1909. Registered 7th Apr., 1909.

10,044. "Improvements in vibrating forks of sheep shearing machines."

Assignment of the whole *by* Thomas Williams Sands *to*

Cooper Sheep Shearing Machine Proprietary Ltd. Dated 5th Nov., 1907. Registered 1st Apr., 1909.

1908.

10,713. "Improvements in the ventilating and cooling of compartments."

Assignment of the whole *by* Albert James Maucum *to*

Walter Leslie Davey. Dated 13th Oct., 1908. Registered 17th Apr., 1909.

10,734. "An improved self-adjusting door stop."

Assignment of one-half share *by* George John Whittaker *to*

John McDonald Cameron. Dated 8th Mar., 1909. Registered 25th Mar., 1909.

10,973. "Improvements in printing machines."

Assignment of the whole *by* Edward Needham Waters *to*

Linotype and Machinery Limited. Dated 12th Jan., 1909. Registered 2nd Apr., 1909.

11,118. "Improvements in the quadding apparatus of typographical composing machines."

Assignment of the whole *by* Edward Needham Waters *to*

Linotype and Machinery Limited. Dated 30th Jan., 1909. Registered 19th Apr., 1909.

11,512. "Improvements in building construction."

Assignment of one-eighth interest for the State of Queensland *by* Henry James Marks *to*

Henry Andrews. Dated 11th Mar., 1909. Registered 2nd Apr., 1909.

11,512. "Improvements in building construction."

Assignment of one-eighth interest for the State of Queensland *by* Henry James Marks *to*

George Lane. Dated 11th Mar., 1909. Registered 2nd Apr., 1909.

Licence Registered.

1906.

6867. "Improved timber boring machine."

Licence *granted by* Alfred Ernest Radford *to*

George William Knott, for the State of Victoria, for the term of twelve years from 15th Oct., 1908, to make use and vend wooden droppers bored with the machine forming subject of patent. Dated 21st Oct., 1908. Registered 1st Apr., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,100. Anderson.
11,355. Reed.
11,486. Duncan.
11,491. Bradley.
11,591. Brooks.
11,644. Merrett.
11,647. Ball.
11,680. McKay.
11,761. Stern.
11,979. Dando.
11,984. Norton.
12,025. Faulkner.
12,078. Hanman.
12,373. Imbert.
12,427. Andrew.
12,471. Bickford.
12,596. Williams.
12,625. Bennetts.
12,672. Hulburd.
12,686. Schulman.
12,751. Plant.
12,867. Goodrich.
12,942. Mainland.
12,950. Proctor.
12,953. Whitney.
12,956. Loshbough.
12,957. Loshbough.
12,965. Ward.
12,977. Allan.
12,982. Sergeant.
13,031. Homan.
13,090. Murnane.
13,094. Wigmore.
13,104. Young.
13,121. Wade.
13,138. Bowles.
13,164. Austin.
13,165. Pluecker.
13,177. Baechler.
13,212. Finfrock.
13,281. Wood.
13,345. Dorr.
13,410. Wolf.

1909.

13,475. Williams.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

11,355. 25 Apr. R. S. Reed, Victoria.

Class 32.7.

Potato harvester for wet soil, with diagonally-set cutter **33** for top growth refuse tray **35**; adjustable rollers mounted on axle **7**; adjustable mouldboard and share **62** with elevators **71**; grading and bagging mechanism.

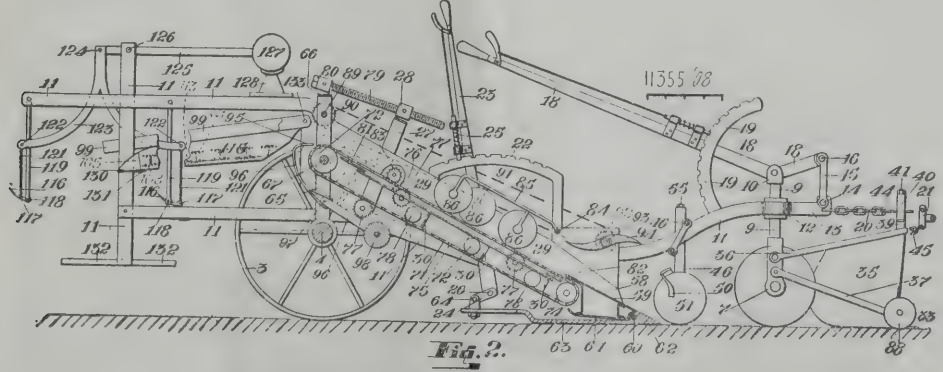


Fig. 2.

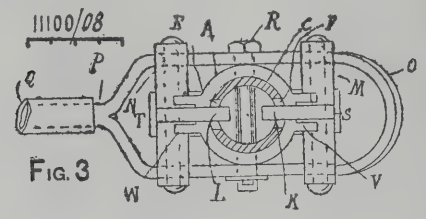
6 figures, 11 claims.

Complete Specifications Accepted—*continued.*

11,100. 20 Mar. A. E. ANDERSON, Vic.

Class 59.1.

Waggon-jack: Lever operating alternately engaging pawls.

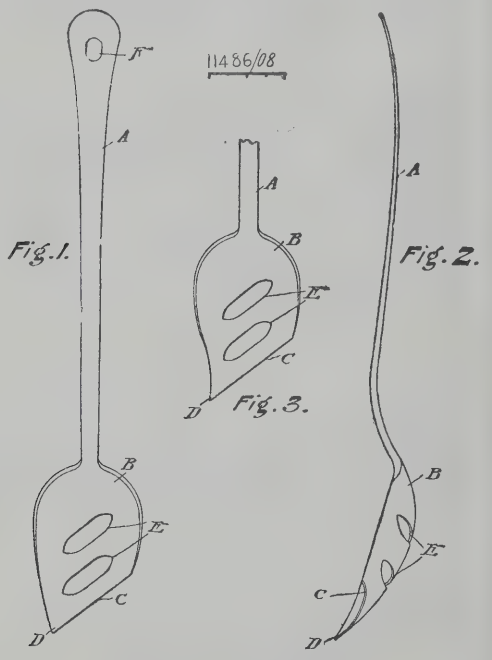


3 figures, 5 claims.

11,486. 14 May. AGNES C. DUNCAN, Vic.

Class 76.5.

Spoon for stirring, mixing, and scraping in cooking operations.

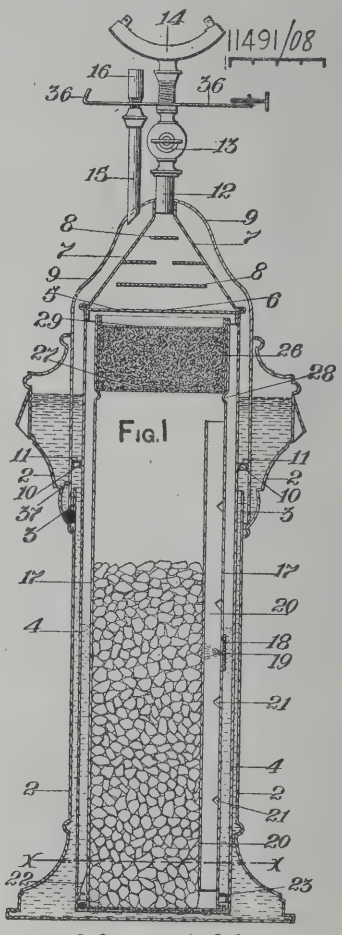


3 figures, 2 claims.

11,491. 14 May. W. BRADLEY, Victoria.

Class 21.81.

Portable acetylene lamp: Cylindrical carbide chamber within gas chamber; outer water chamber and burner for excess gas. Two similar designs.

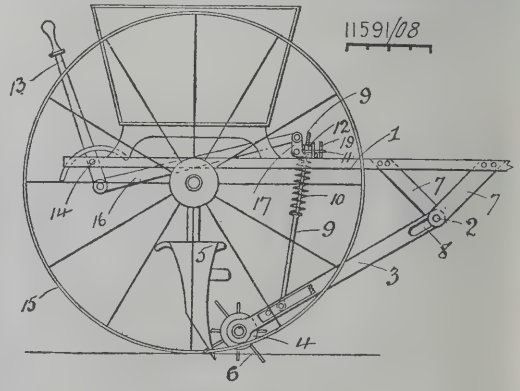


3 figures, 4 claims.

11,591. 27 May. J. BROOKS, Victoria.

Class 31.1.

Fertilizer drills: Adjustable spiked roller.



6 figures, 3 claims.

Complete Specifications Accepted—*continued.*

11,644. 2 June. H. Merrett and C. E. Merrett, Victoria.

Classes 60.9 ; 66.7.

Internal combustion engines : To prevent cylinder deposit and form a lubricant water is fed to air valve by pipe 12 and drawn into cylinder with air supply.

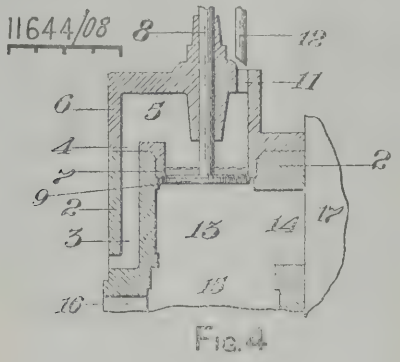


Fig. 4

4 figures, 6 claims.

11,647. 3 June. W. Ball, Victoria.

Class 87.2.

Combined push and screw feed hypodermic syringe.

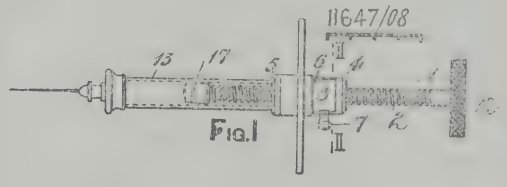
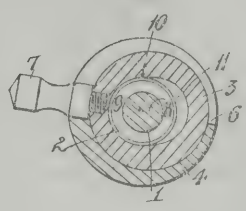


Fig. 1

Fig. 2



8 figures, 8 claims.

11,680. 10 June. J. McKay, Victoria.

Classes 45.2 ; 86.3.

Invalid's bed : Central aperture with closing pad ; sliding carrier with sanitary pan ; extending legs on wheels for moving bed.

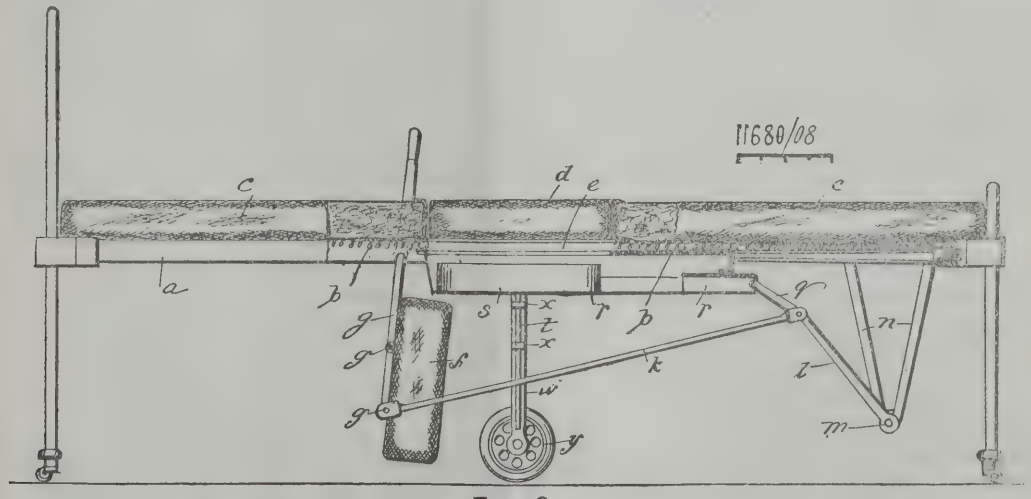


Fig. 3.

3 figures, 4 claims.

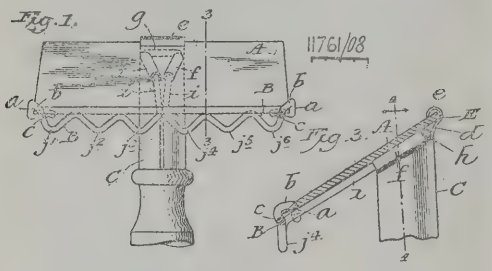
Complete Specifications Accepted—*continued.*

11,761. 18 June. P. K. STERN, New York, United States of America.

Sec. 121. U.S.A. 875,130. 8 Oct., 1907.

Classes 43.7 ; 76.1.

Safety razor: Crimped wire-guard with looped ends for holding blade.

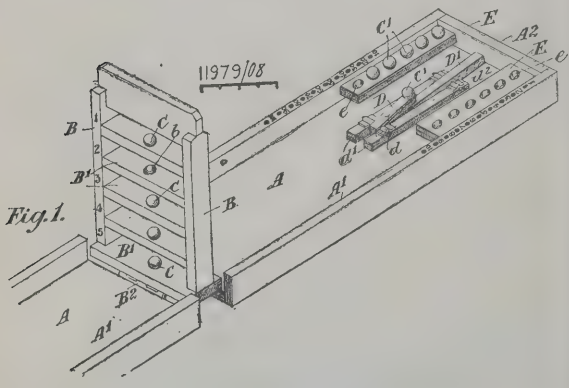


4 figures, 1 claim.

11,979. 14 July. F. DANDO, Tasmania.

Classes 53.6 ; 53.7.

Parlour game: Board with a compound finger lever at each end for projecting marbles at a set of marbles on holed shelves in a vertical frame, to which each half of the folding board is hinged.

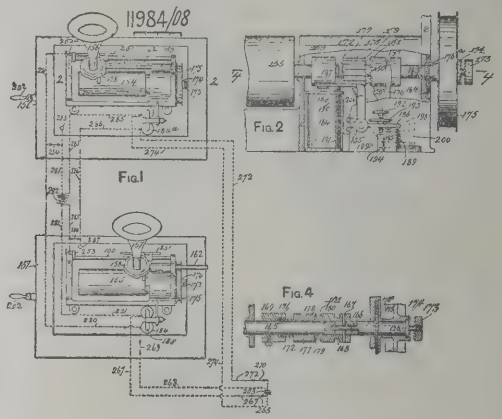


3 figures, 4 claims.

11,984. 15 July. J. A. WHITMAN (E. E. Norton, Conn., United States of America).

Classes 01.7 ; 62.8.

Continuous alternating operation of two phonographs with electrically-controlled clutches as in 11,983/*08* ; contacts on reproducer carrier for completing alternate phonograph circuits.

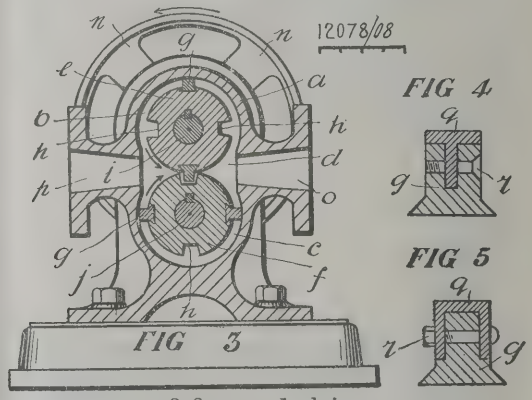


8 figures, 3 claims.

12,078. 27 July. J. L. HANMAN, England.

Classes 67.8 ; 68.7.

Rotary pumps, etc.: Double-toothed rotors with channel or T-section packings.



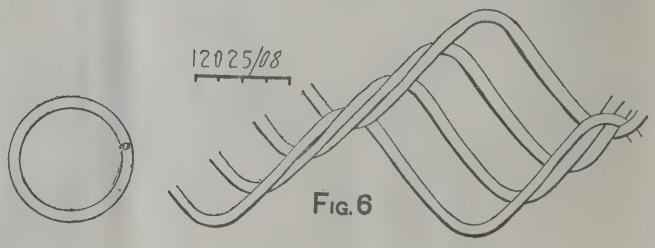
3 figures, 1 claim.

12,025. 21 July. J. W. FAULKNER, New Zealand.

Classes 58.5 ; 88.4.

Fireproof wire fabric: Spirals woven so that each one interlaces with three others, forming hollow diagonal ribs.

6 figures, 2 claims.

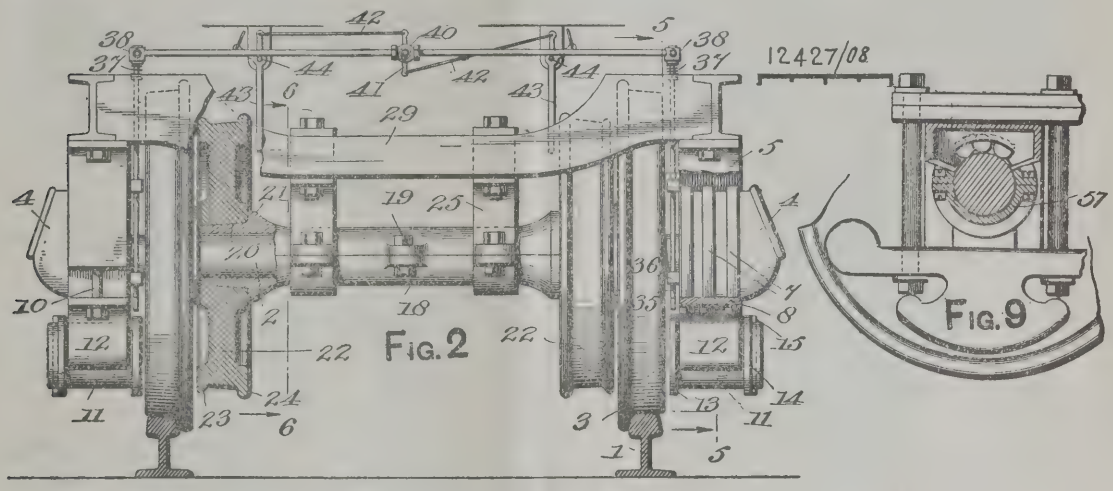


Complete Specifications Accepted—*continued.*

12,427. 8 Sept. G. G. Turri (J. T. Andrew, Alabama, United States of America).

Classes 96.3 ; 96.6 ; 96.9.

Guard rollers or skids for preventing derailment and applying brakes, and sleeve support for fractured axle. Five designs.

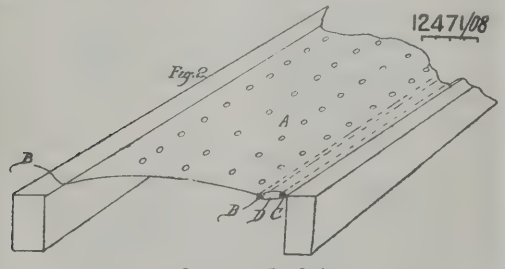


11 figures, 34 claims.

12,471. 10 Sept. E. J. Bickford, N.S.W.
Sec. 7. W.A. 4849. 11 May, 1904.

Class 45.1.

Seats for cars, furniture, &c.: Perforated cambered steel sheets attached by butt hinges and continuous swivel link.

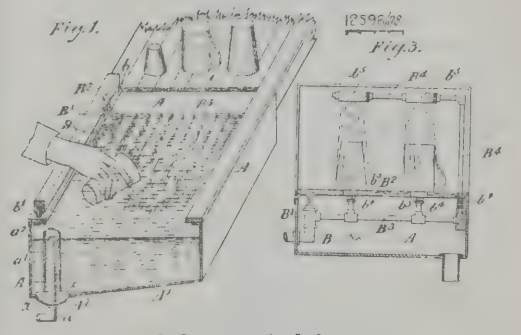


2 figures, 1 claim.

12,596. 25 Sept. J. L. Williams, Victoria.

Class 25.5.

Washing tumblers, &c.: Hinged arm or glass rest operates spray valve; dirty water discharge pipe. Two designs.



3 figures, 4 claims.

12,373. 2 Sept. A. H. Imbert, France.

Classes 15.5 ; 15.6.

Reducing zinc ore by metallic iron in a dissolvent bath of peroxide of iron.

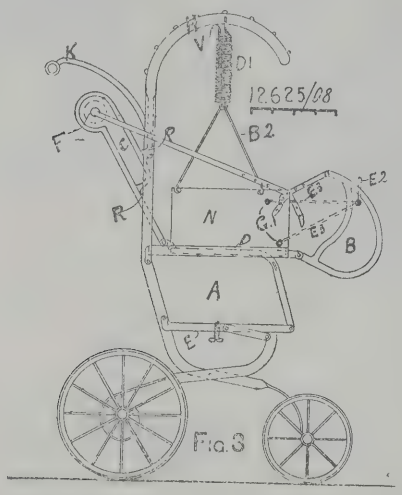
No drawing, 10 claims.

Complete Specifications Accepted—*continued.*

12,625. 29 Sept. J. Bennetts and H. W. Petherick, Western Australia.

Classes 45.1; 93.2.

Combination perambulator, jumper-cot, and high-chair made collapsible for transport. Perambulator **A** has duplicate bottom **D** and side and back spring roller blinds **F** to button on frame **H**. Jumper-cot **N**, Fig. 3, shows hinged metal sides G^1 suspended by rods and springs to frame **H** and with boot **B** raised. High-chair is made by placing hook **V** on raised frame **H** to make seat rigid.

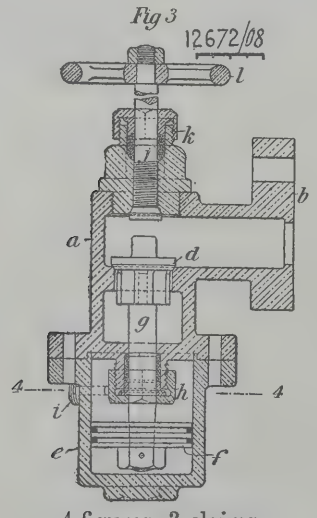


4 figures, 4 claims.

12,672. 5 Oct. P. Hulburd, England.

Classes 61.7; 63.7; 74.7.

Loco. blow-off cock: Piston-operated valve with screw down control.



4 figures, 3 claims.

12,686. 5 Oct. American Firecracker Mfg. Co. (L. Schulman and J. Schulman, New York, United States of America).

Class 89.9.

Fuse, $KClO_3$, KNO_3, S, C. The compound is contained within paper strips twisted in rope form; the paper is impregnated with a solution containing potassium nitrate, sulphur, and paste.

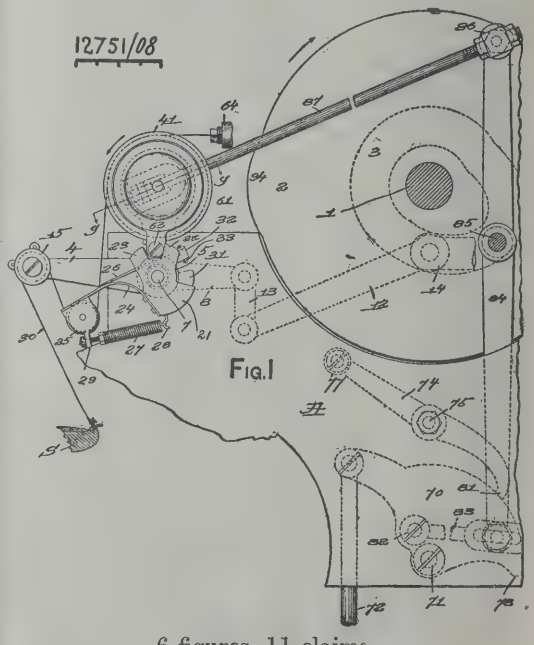
No drawing, 5 claims.

12,751. 12 Oct. T. G. Plant, Mass., United States of America.

Sec. 121. U.S.A. 408,015. 26 Dec., 1907.

Classes 42.7; 44.5.

To reduce shock to thread in boot sewing: A main take-up **15** is provided with an auxiliary spring take-up **25**; the thread is given an initial forward movement prior to pull-off by a lug **23** on the take-up head **5** which engages with a lug **63** on the frictional tension wheel **41**; the tension can be released by a rod **87** and is automatically readjusted by a trip catch **81**.



6 figures, 11 claims.

Complete Specifications Accepted—*continued.*

12,867. 27 Oct. The Miniature Telephone Booth Co. (O. H. Goodrich, New York, United States of America).

Class 05.6.

Telephone enclosed in sound-proof box.

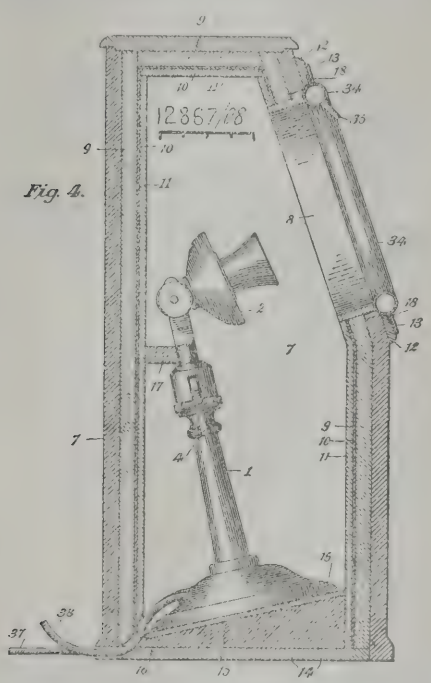


Fig. 4.

5 figures, 10 claims.

12,953. 4 Nov. C. B. Whitney, Mass., United States of America.

Classes 74.7; 74.8; 83.9.

Preventing water hammer in faucets by slotted differential spring piston behind main valve; swivelling cap for thrust lever. Modification (see Fig. 6) for ball valves; weeping prevented. Trigger catch 52 prevents final closing of valve 20^1 until float has reached its final position.

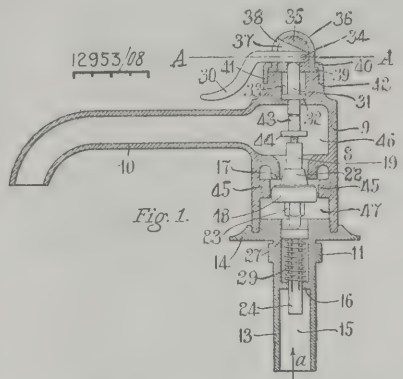


Fig. 1.

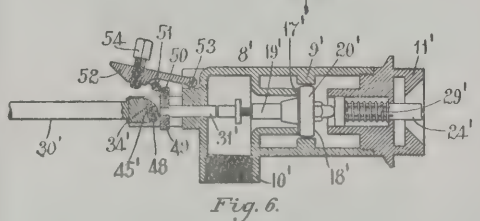


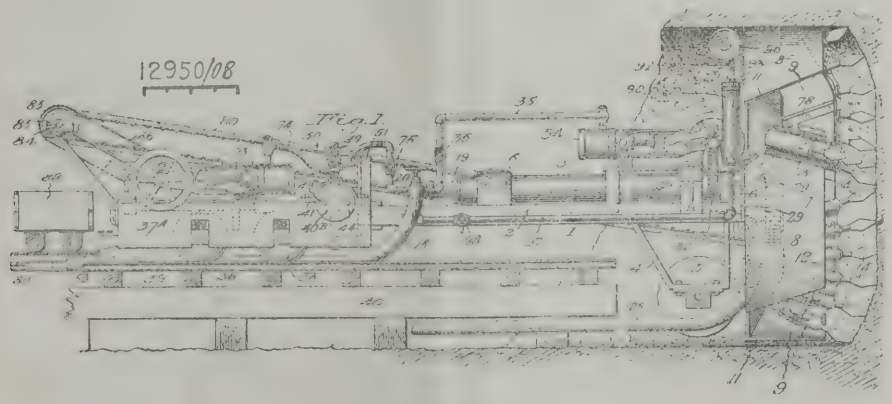
Fig. 6.

7 figures, 15 claims.

12,950. 4 Nov. The Terry, Tench and Proctor Tunneling Machine Co. (O. S. Proctor, New York, United States of America).

Class 85.1.

Tunnelling machine: Rotary head with radiating arms carrying rows of percussive drills; wheeled frame with motors, conveyors, &c.



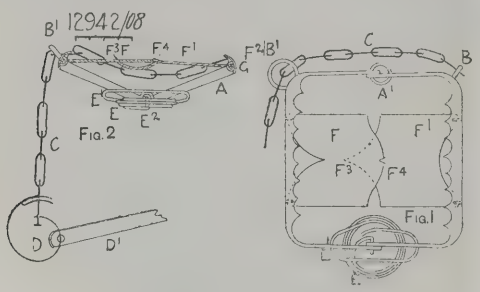
10 figures, 17 claims.

Complete Specifications Accepted—*continued.*

12,942. 2 Nov. H. L. MAINLAND, N.Z.

Class 38.7.

Spiral spring jaw trap: Spring **E** slides up over top of jaws when sprung; knife edge of plate **F** engages nick F^4 in plate F^1. Tethering chain **C** secured at **B**, passing through B^1, and secured with spring tug **D** to stake D^1.

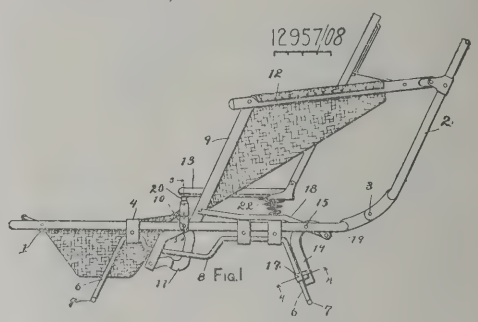


3 figures, 7 claims.

12,957. 4 Nov. A. W. LOSHBOUGH, Mich., United States of America.

Class 93.2.

Collapsible baby carriage: Brace for wheels and automatic means for securing the parts in their erected position; operated by foot pressed on cross-bar at rear. (See also Nos. 12,956–8–9.)

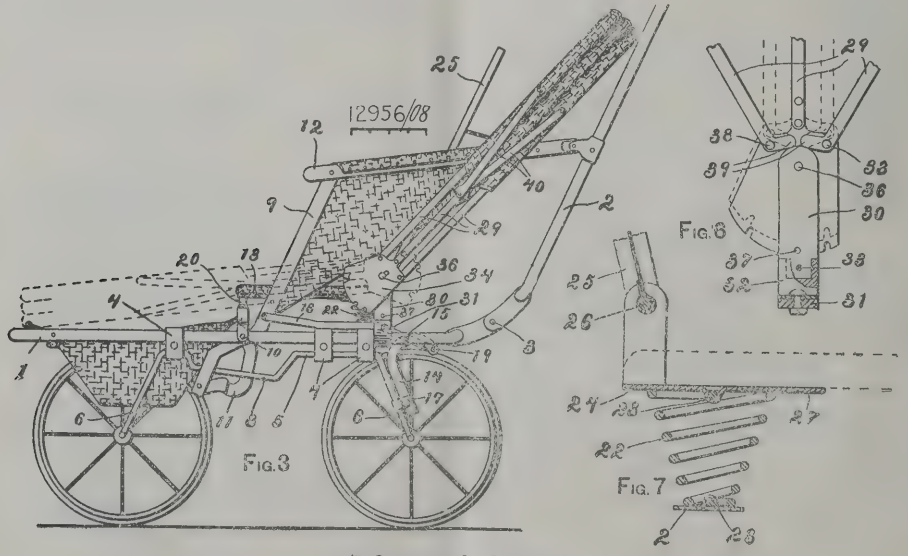


5 figures, 5 claims.

12,956. 4 Nov. A. W. LOSHBOUGH, Mich., United States of America.

Class 93.2.

Collapsible baby carriage: Combination brace and locking means for wheel supports; operator's foot pressed on cross-bar at rear moves same into or out of action; folding hood operated by slotted segment, Fig. 6; seat support, Fig. 7. (See also Nos. 12,957–8–9.)



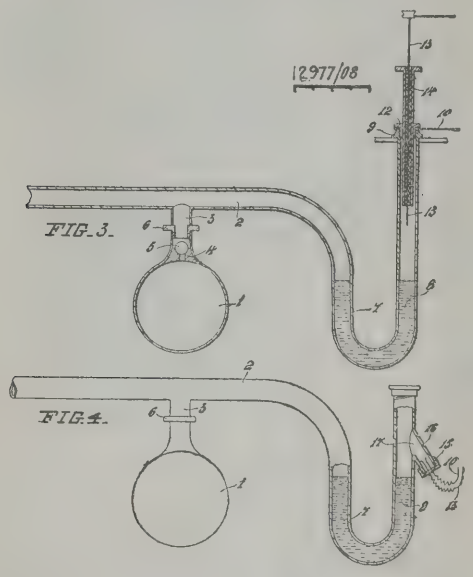
7 figures, 9 claims.

Complete Specifications Accepted—*continued.*

12,977. 5 Nov. A. Allan and T. Bowling, New Zealand.

Classes 00.7; 04.3; 88.2.

Thermostat: Multiple air cylinders with non-return valves, connected to mercury U-tube with contacts for alarm circuit.

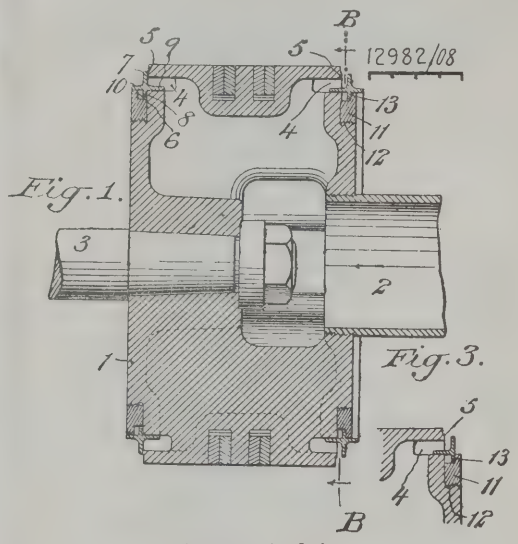


4 figures, 5 claims.

12,982. 5 Nov. Ingersoll-Rand Co. (H. C. Sergeant, New Jersey, U.S. America).

Class 69.4.

Compressor ring valves for inlet type pistons; +- or T-section.

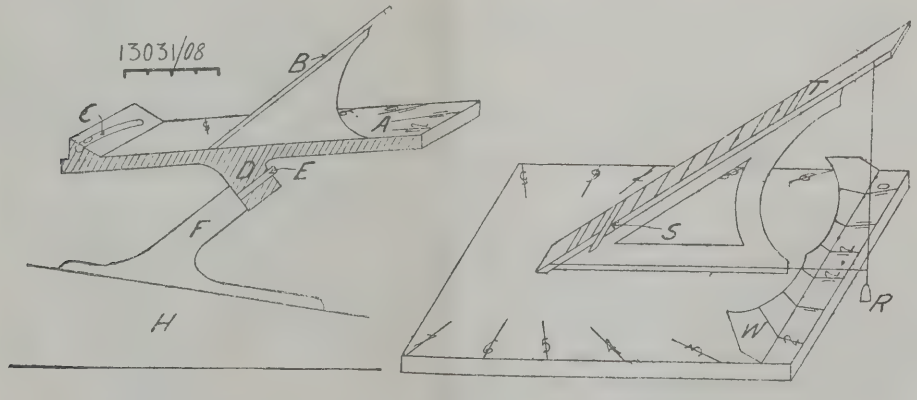


3 figures, 2 claims.

13,031. 12 Nov. W. McL. Homan, Orange River Colony, South Africa.

Class 00.1.

Sundials: Gnomon and time scale pivoted on axis parallel to earth's axis; scale dividing by dots to indicate minutes.



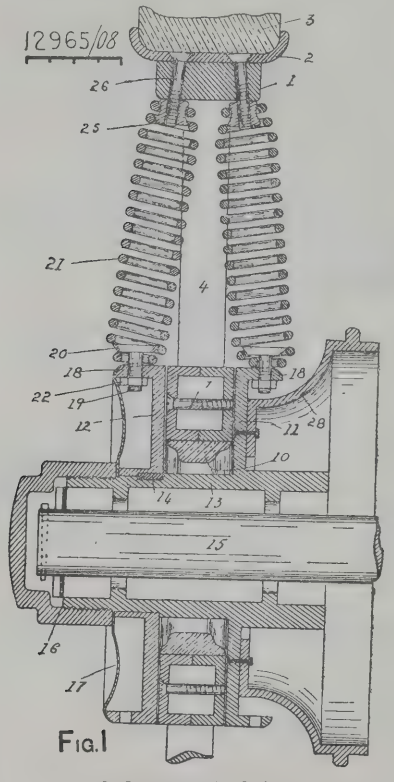
7 figures, 14 claims.

Complete Specifications Accepted—*continued.*

12,965. 4 Nov. Kelsey Herbert Co. (D. Ward and H. J. Herbert, Mich., U.S.A.).

Classes 97.4; 97.6.

Wheels with sliding hubs retained centrally by tensional spiral springs as suspension spokes; internal bumper pad for hub.



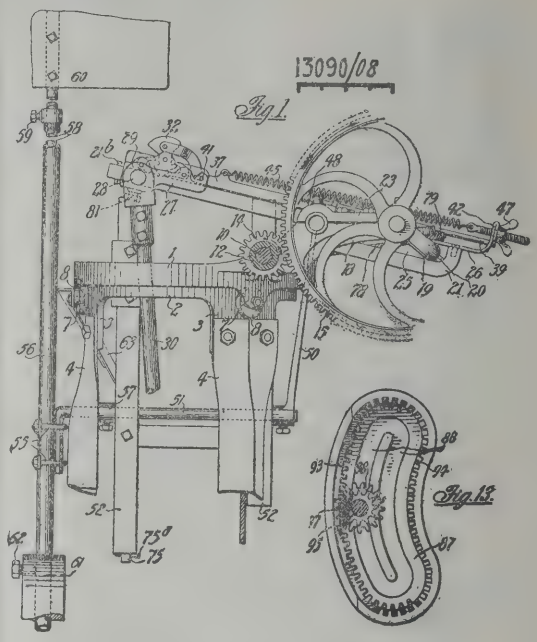
3 figures, 4 claims.

13,090. 20 Nov. C. Murnane, Victoria.

Sec. 121. N.Z. 23,940. 29 Jan., 1908.

Classes 60.3; 61.9; 90.7.

Pumping windmill: Quick return by crank and slotted lever or radially sliding quadrant mangle rack; pump stroke varied by changing leverage of sliding connecting rod end **28** controlled by pawls and vertical governor vane **60**; parallel flow wheel with vanes in radial tension.

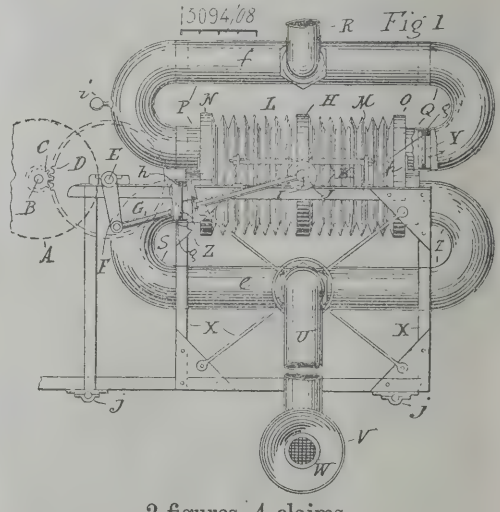


27 figures, 22 claims.

13,094. 20 Nov. F. J. Wigmore, Victoria.

Class 69.4.

Double-acting circular bellows for mine ventilating; reversible valves.



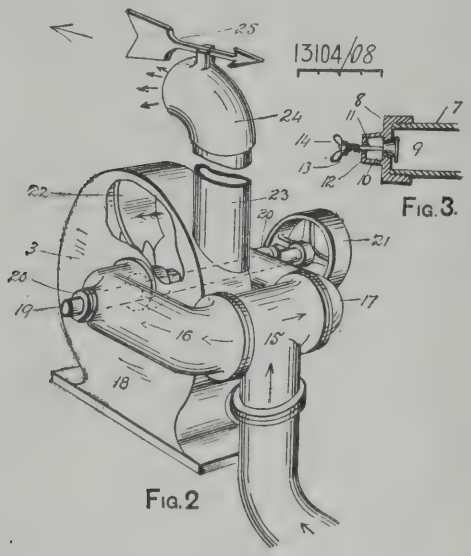
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,104. 23 Nov. R. Young, Tasmania.

Classes 69.4; 74.7; 85.9.

Mine ventilation: Fan at surface, with discharge cowl directed by wind vane, and pipes with spring suction valves in drives.



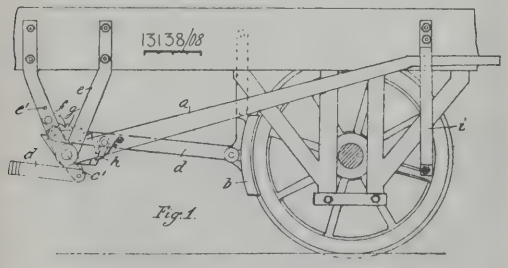
3 figures, 4 claims.

13,138. 26 Nov. G. B. Bowles, England.

Sec. 121. G.B. 27,547. 13 Dec., 1907.

Class 96.6.

Adjusting slack in railway brakes: A toothed quadrant fixed to tumbler shaft is engaged by a fixed pawl and an operating pawl on hand lever; modifications with straight rack for power brakes.

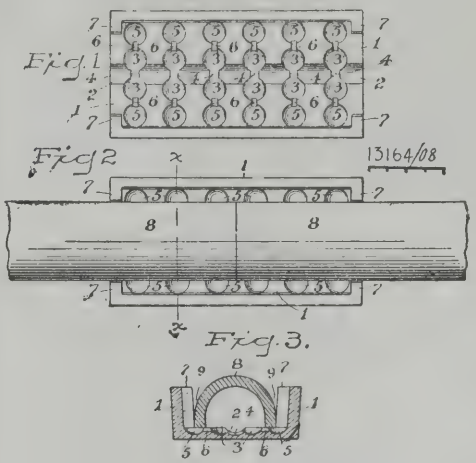


7 figures, 6 claims.

13,164. 30 Nov. N. E. Austin, Conn., United States of America.

Class 31.9.

Sub-irrigation: Distributing troughs with catch basins and covers. Four designs.



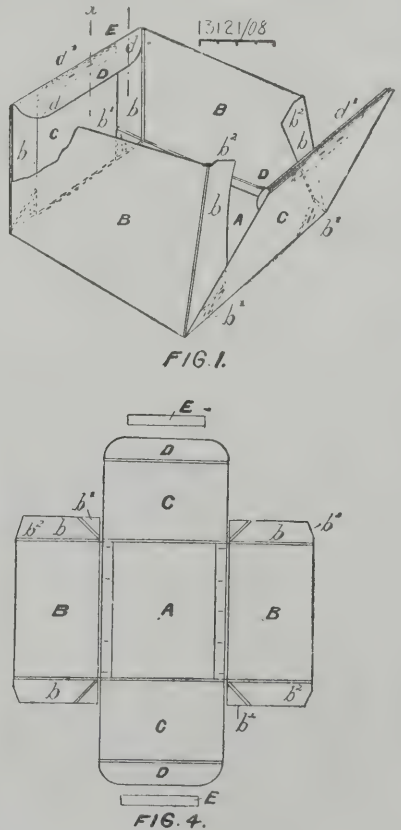
6 figures, 2 claims.

13,121. 25 Nov. A. E. Wade, England.

Sec. 121. G.B. 5583. 12 Mar., 1908.

Class 48.5.

Card boxes: Type known as "Premier" folding box, as G.B. 11,010 of 1902; securing stiffeners in end flaps by wire stitching.



4 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,165. 30 Nov. Maximilian A. Pluecker, United States of America.

Class 10.7.

Mincing machine: Spiral ribs on mouth of body and circumferential rib on forcer for adjusting size of material. Body split at 23 and adjustable by thumb-screw 47 for sharpening.

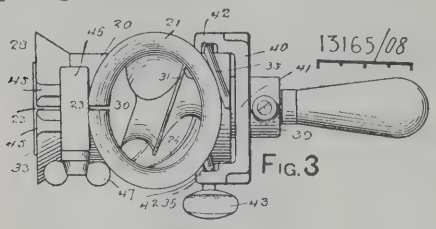


Fig. 3

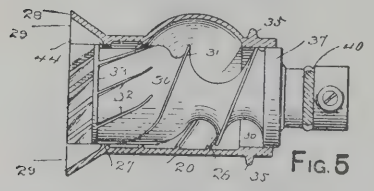


Fig. 5

7 figures, 7 claims.

13,177. 1 Dec. C. A. Baechler, Switzerland.

Sec. 121. G.B. 6247. 20 Mar., 1908

Classes 09.9; 36.9.

Casein powder: Coagulation by ferment or acid, with agitation, in presence of salts, &c. Optional treatment with acid or alkali.

No drawing, 6 claims.

13,212. 4 Dec. H. M. Marsh (W. H. Finfrock, Ill., United States of America).

Class 73.6.

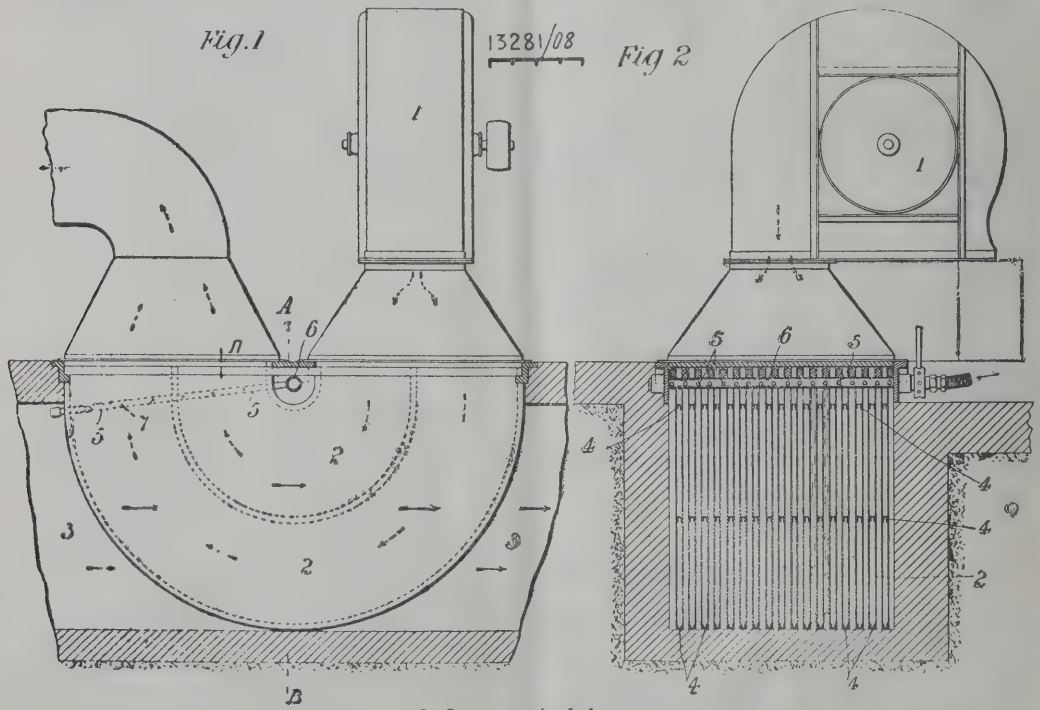
Aluminium solder: 8 parts zinc and 1 part phosphor-tin alloy (phosphorous 5% and tin 95%).

No drawing, 2 claims.

13,281. 15 Dec. The Underfeed Stoker Company Limited (W. R. Wood, London, England).

Classes 17.2; 17.3.

Utilizing waste heat of furnaces to heat air or gas forced between plates arranged in flue. Plates cleaned by rotatable steam pipes.



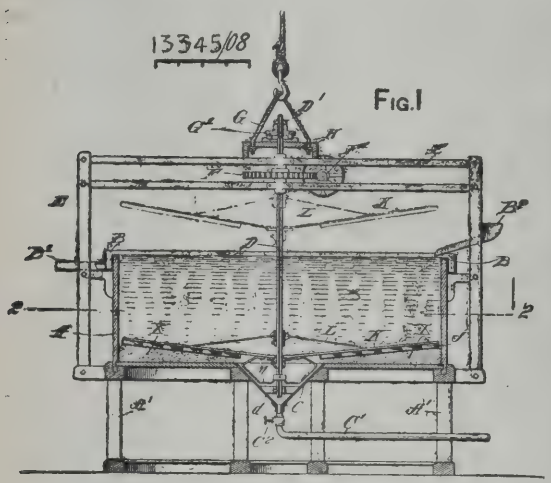
6 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,345. 23 Dec. J. V. N. Dorr, South Dakota, United States of America.

Class 12.1.

Decanting and settling vat: Relatively shallow vessel of large diameter with radial scrapers.



3 figures, 5 claims..

13,410. 30 Dec. L. Wolf, Mass., U.S.A.

Classes 20.6; 21.3.

Liquefied oil gas is obtained by separating the propane, pentane, ethane, ethylene, &c., from the light and heavy oils and permanent gases by means of cold and pressure.

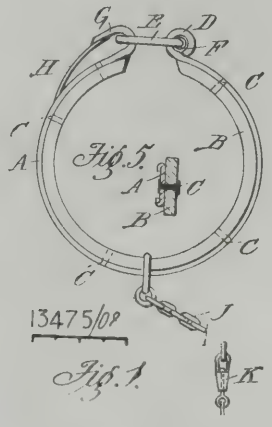
No drawing, 4 claims.

1909.

13,475. 9 Jan. W. R. Williams, Northern Territory, South Australia.

Class 39.7.

Padded steel hobbles, fastened by link and spring snap hook.



6 figures, 3 claims.

Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

13,629. Emile Nicolas Joseph GERMEAU, Jumet, Belgium, engineer, and Albert Nicolas Ghislain BOUTON, 39 rue du Président, Ixelles-Bruxelles, Belgium,

Application under Sec. 121.

[Date applied for 21st Apr., 1908, being date of application in Belgium, No. 207,422/*08*. Application also made in Great Britain, 1st May, 1908, No. 9496/*08*.]

"Improvements in or relating to boiler seatings."

Printed Specifications Published.

Vol. 24 comprises Applications from 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 43, comprising Applications numbered from 4800 to 8599 are now complete with title pages, &c.

Vols 44 to 49 comprise Applications from 8600 to 9799; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4600, and many of higher numbers than 9800, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 266.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4434. W. Krische. *Vehicle tyre.* Class 97.6.
4436. A. J. Hall. *Scarifier.* Class 31.2.
4438. S. Marsh. *Gas-burners.* Classes 00.1; 22.8.
4441. McKay and Osborne. *Moulding metal.* Class 70.2.
4448. Schieppati and Izar. *Portable foundation for wheels.* Class 93.5.
4451. J. Sutton. *Roof Water Cleanser.* Class 83.1.
4452. G. T. Pritchard. *Railway signalling.* Classes 98.2; 99.6.
4453. C. E. Flint. *Measuring Tapes.* Classes 43.1; 56.4.
4455. C. J. Alley. *Barrels.* Class 80.8.
4462. W. M. Davison. *Liquid register.* Classes 56.2; 56.5.
4465. T. J. Whelan. *Reversible label.* Class 54.3.
4467. R. Dunne. *Cutting mitres.* Class 80.7.
4470. C. Murnane. *Grading seeds.* Class 32.6.
4471. J. Morrow. *Adjusting stripper combs.* Class 32.3.
4472. E. Smethurst. *Speed controller.* Class 92.6.
4478. Graff and Hartley. *Multiple roller blind.* Classes 46.6; 78.8.
4480. Perrins Limited (Perrins). *Tubes.* Classes 71.4; 74.1.
4481. Perrins Limited (Beck and Townsend). *Metal tubes.* Classes 63.4; 71.4; 74.1.
4482. Perrins Limited (Perrins). *Metal tubes.* Classes 71.4; 74.1.
4483. H. I. M. Ross. *Ventilation.* Classes 81.6; 90.9.
4488. W. Simmonds. *Window ventilator.* Class 78.7.
4495. B. and W. Trewhella (W. Trewhella). *Lifting jack.* Class 59.1.
4497. Francesca Myers. *Ornamenting boots.* Class 44.1.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*5th April, 1909.*			
10,378	*22 Dec.	R. O. Clark	N.Z.	Building blocks ...	773
	1907.	*6th April, 1909.*			
10,402	6 Dec.	Broken Hill South Silver Mining Co. N.L. (Wainwright)	N.S.W.	Mine chair indicator ...	813
		7th April, 1909.			
10,414	7 Dec.	W. Ried	Vic.	Boots and shoes	646
10,426	10 Dec.	R. Raby	Vic.	Tap for liquids, &c. ...	683
10,429	10 Dec.	J. S. Smith	W.A.	Door stop, &c.	600
10,481	16 Dec.	G. M. Reid	Vic.	Hot medicated air inhaler ...	811
10,556	28 Dec.	F. R. Dennison ...	N.Z.	Spare motor wheel ...	830
10,577	31 Dec.	R. F. Lean	N.S.W.	Lubricant	714
	1908.				
11,039	13 Mar.	S. Jones & A. H. Bennett	Vic.	Gas fittings anti-vibrator ...	762
11,240	9 Apr.	J. G. Hudson & J. W. Mardon	N.Z.	Railway signalling ...	258
11,353	25 Apr.	C. F. Bradburn ...	Canada	Telephones	280
11,354	25 Apr.	E. Dowie	Canada	Wool combers' effluents ...	280
11,570	25 May	F. E. Martin	Canada	Boat launching, &c. ...	355
11,859	29 June	E. R. Royston ...	Eng.	Melting of salt	440
11,925	8 July	P. W. Sieurin	Sweden	Winches	456
11,954	13 July	H. G. Bowern ...	S.A.	Tongs	544
12,090	28 July	J. Harrison & G. P. Martin	N.Z.	Fastening for animal rugs ...	601
12,291	20 Aug.	M. J. Higgins & J. Wren	Vic.	Window holder	574
12,621	28 Sept.	J. Hartnett & D. M. Robison	Vic.	Milking machines ...	644
	1907.	*14th April, 1909.*			
10,435	10 Dec.	A. McKay & A. McDonald	Vic.	Collecting chaff, &c. ...	614
10,440	11 Dec.	H. M. Cooke	N.S.W.	Opening, &c., windows ...	794
10,441	11 Dec.	H. M. Cooke	N.S.W.	Door stop	794
10,459	12 Dec.	F. Lennard	N.S.W.	Rotary engines, &c. ...	810
		15th April, 1909.			
10,240	15 Nov.	N. Guthridge (W. L. & F. S. Card)	U.S.A.	Ore concentrators ...	543

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*19th April, 1909.*			
11,004	*14 Mar.	R. C. Johnson & M. H. Myers	Eng.	Curtain rods	197
	1908.				
10,582	3 Jan.	J. Thurlow	Qld.	Folding chair	646
10,653	14 Jan.	A. A. Ward	Qld.	Pumps for tailings ...	683
10,661	16 Jan.	L. G. Abrams (Larson) ...	N.S.W.	Broom-corn harvester ...	34
11,324	23 Apr.	Dillon-Griswold Wire Co. (Ferris)	U.S.A.	Tying bales	278
11,327	23 Apr.	G. T. Holloway ...	Eng.	Treating slags	278
11,462	12 May	R. Knox	N.Z.	Air inlet for drains ...	319
	1907.				
11,814	*6 July	J. R. Porter	Eng.	Airships	448
	1908.				
12,004	20 July	C. G. Whitaker & V. Whitley	N.Z.	Egg carrier	491
12,359	1 Sept.	W. H. D. Newth ...	N.Z.	Holding drinking vessel ...	578

* Date granted under Sec. 121.

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1903.

13,201. "Improvements in the manufacture of artificial marble, dolomite and other stone."

Assignment of the whole *by* Thomas Mathieson Thom *to*

The British Stone & Marble Company Limited. Dated 3rd Feb., 1909. Registered 6th Apr., 1909.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,609 ...	Johnson, H., & Frier, G. W.	10th Oct., 1915

1902.

19,169 ...	Lamson Store Service Co. Ltd.	16th Apr., 1916
19,175 ...	Waters, E., *jun.* ...	17th Apr., 1916
19,178 ...	Webster, W.	17th Apr., 1916
19,219 ...	Jones, F. A., & others...	28th Apr., 1916
19,223 ...	Francis, A. A. ...	29th Apr., 1916
19,241 ...	Un. Shoe Mach. Co. ...	6th May, 1916
19,378 ...	Norddeutscher Lloyd ...	18th June, 1916
19,467 ...	Norddeutscher Lloyd ...	9th July, 1916

Assignments Registered.

1896.

12,867. "Improvements in slack adjusters for brake gears of railway rolling stock."

Assignment of the whole *by* Frederick William Selley and William Reform Cleland Forster, executor of William Holmes Nisbet, deceased, *to*

The Victorian Railways Commissioners. Dated 2nd Apr., 1909. Registered 7th Apr., 1909.

1897.

14,322. "Improvements in slack adjusters for brake gears of railway rolling stock."

Assignment of the whole *by* Frederick William Selley and William Reform Cleland Forster, executor of William Holmes Nisbet, deceased, *to*

The Victorian Railways Commissioners. Dated 2nd Apr., 1909. Registered 7th Apr., 1909.

1903.

20,557. "Improvements in the manufacture of artificial marble, dolomite and other stone."

Assignment of the whole *by* Thomas Mathieson Thom *to*

The British Stone & Marble Company Limited. Dated 3rd Feb., 1909. Registered 6th Apr., 1909.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
6007 ...	Colonial Ferro-Concrete Synd. Ltd.	11th May, 1915
6083 ...	Colonial Ferro-Concrete Synd. Ltd.	29th June, 1915

Assignments Registered.

1903.

7283. "Improvements in the manufacture of artificial marble, dolomite and other stone."

Assignment of the whole *by* Thomas Mathieson Thom *to*

The British Stone & Marble Company Limited. Dated 3rd Feb., 1909. Registered 6th Apr., 1909.

7371. "Improvements in or relating to receptacles or containers for molten glass."

Assignment of the whole *by* The Toledo Glass Company *to*

Treuhand-Vereinigung A.G. Dated 27th Feb., 1908. Registered 2nd Apr., 1909.

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to -
7680/5690 ...	Waters, E., *jun.* ...	9th May, 1916
7737/5727 ...	United Shoe Mach. Co.	18th June, 1916
7738/5728 ...	United Shoe Mach. Co.	18th June, 1916

Assignments Registered.

1902.

7609/5641. "Improved machine for securing fencing wires and wire netting to standards and droppers and wire netting to fencing wires."

Assignment of the whole *by* Fredrick Walter Page *to*

The Page-Hipsley Improved Dropper Company Limited. Dated 27th Aug., 1908. Registered 1st Apr., 1909.

1903.

8386/6157. "Improvements in the manufacture of artificial marble, dolomite and other stone."

Assignment of the whole *by* Thomas Mathieson Thom *to*

The British Stone & Marble Company Limited. Dated 3rd Feb., 1909. Registered 7th Apr., 1909.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
3829 ...	Francis, A. A. ...	17th Apr., 1916
4062 ...	Swan Brewery Co. Ltd.	26th Sept., 1916

Assignment Registered.

1903.

4438. "Improvements in the manufacture of artificial marble, dolomite and other stone."

Assignment of the whole *by* Thomas Mathieson THOM *to*

THE BRITISH STONE & MARBLE COMPANY LIMITED. Dated 3rd Feb., 1909. Registered 6th Apr., 1909.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

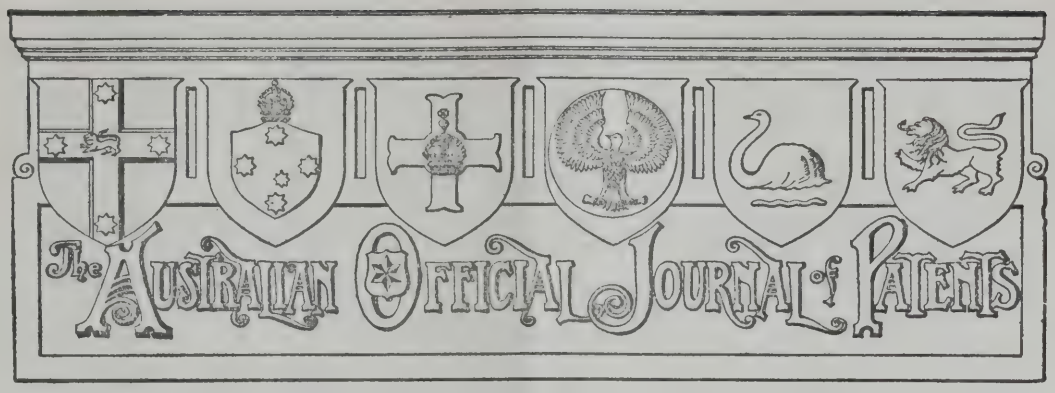
Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
3427 ...	Waters, E., *jun.* ...	26th June, 1916
3428 ...	Waters, E., *jun.* ...	26th June, 1916

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Commissioner of Patents.

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Vol. 8.—Applications and Proceedings, 1908.

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Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	,, 16 Mar., 1909
,, E, States Proceedings	,, 23 Mar., 1909

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

OTHER FEES.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
Not exceeding one month ...	5	0	0
Not exceeding two months ...	10	0	0
Not exceeding three months ...	15	0	0
20. On enlargement of time for payment of renewal fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
21. For duplicate of Letters Patent, each	2	0	0
22. On making request under Regulation 124 to be informed of any dealings in connexion with a patent ...	1	0	0
23. On application for a compulsory licence. By person applying ...	5	0	0
24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
29. On application for entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent ...	1	0	0
30. On application to alter name or address in Register	0	10	0
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36A. For office copies of drawings (according to agreement).			
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39. For certificate of Commissioner under section 28 of the Act	0	10	0
40. Search or inspection fee ... each	0	1	0
41. Annual search fee	5	0	0
42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

5 A 9

Vol. 10.] 1909. [No. 16.

Tuesday, 4th May.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.

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C.5233.

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,, 1909, No. 2		1s. 6d.
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Designs Act 1906		5d.
Designs Rules, Statutory Rules 51/*07*		5d
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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto Collins-street, Melbourne.

NOTICE IS HEREBY GIVEN that the grantee of Australian Letters Patent No. 6753, dated the 28th day of August, 1906, for :—

"Improvements in caps or enclosures for bottles, jars, cans or other receptacles,"

is prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.

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TO ALL WHOM IT MAY CONCERN : The GESELLSCHAFT FUR DRAHTLOSE TELEGRAPHIE M.B.H. of Lindenstrasse, Berlin, Germany, the Proprietor of Australian Letters Patent No. 6051, dated the 1st June, 1906, for—

"A wave detector for wireless telegraphy,"

and No. 6840, dated the 5th September, 1906, for—

"Improvements in wireless electric signaling system and apparatus therefor,"

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VOL. 10.] 4TH MAY, 1909. [No. 16.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Examination for Patent Attorneys	329
Commonwealth—	
Applications Received	330
Provisional Specifications Accepted	334
Complete Specifications after Provisional	334
Applications (Prov.) Lapsed	335
Applications Abandoned, &c.	336
Assignment Registered	336
Amendment Made	336
Complete Specifications Accepted	337
Commonwealth—*continued.*	
Illustrated Notes	337
Specifications open to Public Inspection before Acceptance	340
Printed Specifications Published	341
Letters Patent Sealed	342
Victoria—	
Renewal Fees Paid	344
Queensland—	
Renewal Fees Paid	344
South Australia—	
Renewal Fees Paid	344

NOTICE.

Examination for Patent Attorneys.

It is hereby notified, for public information, that an Examination of Candidates for registration as Patent Attorneys will be held at the Patent Office, Melbourne, on the 2nd and 3rd August, 1909, or upon such other dates during that month as may be appointed by the Board.

The attention of Candidates intending to present themselves for examination is directed to Regulation No. 152 under the *Patents Act* 1903, which provides that—

> Every Candidate for admission to practise as a Patent Attorney shall, at least 30 days before the date appointed for holding any examination, lodge with the Secretary an application in Form FF, a declaration in Form GG, and a certificate in Form HH, in the Second Schedule, and pay the examination fee.

The fee for examination is £2, and applications must reach the Secretary before 2nd July, 1909.

The following books of reference have been prescribed by the Board:—

Edmunds on Patents (2nd edition).
Sebastian's Law of Trade Marks (4th edition).
Kerly on Trade Marks (2nd edition).
Patents Trade Marks and Designs, by David Fulton (2nd edition).

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board

Patent Office,
Melbourne.

C.5233.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 22nd to 28th April, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Corrigendum.—In No. 15, Vol. 10, p. 303, in Application No. 14,270, *add*—

Application under Sec. 121.

[Date applied for 27th May, 1908, being date of application in U.S.A., Serial No. 435,185, Grant No. 908,833, dated 5th January, 1909.]

Thursday, 22nd April.

14,317. *Prov.* William Ernest BENNETT, Cross Keys House, 56 Moorgate-street, London, Eng., mining engineer, *nominee of* Ivan HORMONKOI, *act. inv.*, Listvinka, Tomsk, Siberia, blacksmith,

"Improvements in apparatus for distilling mercury from gold amalgam."

14,318. *Comp.* Heinrich WOHLWILL, 31/35 Elbstreet, Hamburg, Germany, chemist,

"Process of refining gold."

14,319. *Prov.* Edward Ambrose HARPER, Edward George HARPER, George HARPER, and John Frederick HARPER, all of Well-street, Redfern, N.S.W., lamp manufacturers,

"Improvements in hand lamps used for signalling."

14,320. *Comp.* Robert KNOX, 91A Princes-street, Dunedin, N.Z., official plumbing inspector,

Application under Sec. 85, additional to 11,462/08.

"Improved fresh air inlet for house or other drainage."

14,321. *Comp.* ALFRED TYREE AND COMPANY LIMITED, 122 Lichfield-street, Christchurch, N.Z., boot importer, *assignee of* John Victor TYREE, *act. inv.*,

"An improved football boot."

14,322. *Comp.* Alfred TYREE, 122 Lichfield-street, Christchurch, N.Z., boot importer,

"A heel stiffener for goloshes."

14,323. *Comp.* William Henry TRENGROVE, 215 Lambton Quay, Wellington, N.Z., engineer,

"Improvements in motors."

14,324. *Prov.* Charles Combe DELAND, Stanley-street, North Adelaide, S.A., mill-owner,

"An improved process for the manufacture of carbonaceous fuel from jarrah timber for generating 'producer gas.'"

14,325. *Prov.* Herbert Byng CROWLE, 12 Williams-road, Windsor, Vic., traveller,

"An improved automatic machine gun and gun carriage therefor."

14,326. *Prov.* Robert BROWN, Homevale, Corobimilla, N.S.W., grazier, and John CAMPBELL, Narrandera, N.S.W., contractor,

"Improved method and appliances for cutting and excavating channels and the like."

14,327. *Comp.* Thomas Claude DURHAM, 111 Fifth-avenue, New York, U.S.A., gentleman,

"Improvements in razors."

14,328. *Comp.* John Macy WALCUTT, 409 Pearl-street, New York, U.S.A., printer,

"Improvements in packages for razor blades."

Applications received, 22nd to 28th April—*continued.*

14,329. *Comp.* Calvin Amory Stevens, 39 Broad-street, New York, U.S.A., gentleman, *assignee of* Caleb Grozier Collins, *act. inv.*, Woodmere, Nassau, N.Y., U.S.A., mining engineer,

"Improvements in process of extracting metal from ore."

14,330. *Prov.* Nicholas Newton, Werribee, Vic., chaff-cutter,

"Safety appliance for a chaff cutter to prevent an accident to the operator's hands."

Friday, 23rd April.

14,331. *Prov.* Moore Getty, 212 Railway-terrace, Railway-parade, Leederville, W.A., plumber,

"Acetylene gas generator."

14,332. *Comp.* The Powers Railway Safety Appliance Company, manufacturer, 71 Broadway, New York, Manhattan, N.Y., U.S.A., *assignee of* Edmund Burke Powers, *act. inv.*, 20 McDonough-street, Brooklyn, N.Y., U.S.A., engineer,

"Improvements in air-brakes for railway trains."

14,333. *Prov.* Denis McGovern, 50 Bennett-street, East Perth, W.A., bootmaker,

"The D. McGovern cycle pedal strap for road or track racing or ordinary use."

14,334. *Prov.* Edward Archibald Dean, 40 Colin-street, West Perth, W.A., civil servant,

"The hurricane hatpin protector."

14,335. *Prov.* Charles Mackie, Berwick, Vic., rabbit inspector,

"Improved process of and apparatus for recovering gold from sea water."

14,336. *Prov.* Harry Crabb, 31 King-street, Sydney, sheet metal worker,

"Improved lid for garbage box."

Saturday, 24th April.

14,337. Usine De Desargentation Société Anonyme, Hoboken-lez-Anvers, Belgium, lead and copper smelter,

Application under Sec. 121.

[Date applied for 6th May, 1908, being date of application in Germany, No. U.3357/*08*. Application also made in Great Britain, No. 19,585/*08*, 17th Sept., 1908.]

"An improved process for eliminating lead and other impurities, such as arsenic and antimony from copper matte and copper ores and simultaneously recovering the copper as metal."

14,338. *Prov.* Charles Hilary Woodhouse, 328 Clarendon-street, South Melbourne, Vic., bank manager,

"A device for ascertaining the point of the compass, in either the northern or southern hemisphere."

14,339. *Prov.* Hugh Ross, Rochester, Vic., blacksmith,

"Improvements in lever-jacks."

Monday, 26th April.

Public Holiday.

Tuesday, 27th April.

14,340. *Comp.* Gas Traction Company, University-avenue and 28th-avenue, S.E., Minneapolis, Hennepin, Minn., U.S.A., *assignee of* D. Maurice Hartsough, *act. inv.*,

"Pilot for traction engines."

14,341. *Prov.* William O'Brien, 24 Clark-street, Norwood, S.A., carpenter, and John Richardson, 82 Hindley-street, Adelaide, S.A., saloon-keeper,

"An improved method of and means for destroying rabbits and other vermin."

14,342. *Comp.* John Ludvig Ohlson, Rundle-street, Adelaide, S.A., engineer,

"Improved adjustable connecting rod for needle bar frames of sewing machines."

14,343. *Prov.* Hamilton Allen, Browning-street, Portland, Vic., farmer,

"Improvements in ploughs or cultivators."

14,344. *Prov.* Purdie Phipps, mechanic, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improved method of forming a rigid angle on a plate or strip of metal."

Applications received, 22nd to 28th April—*continued*

14,345. *Prov.* Edward BOYLDEW, 24 Linda-street, Moreland, Vic., carpenter,

"Safety appliance for bark or chaff cutters."

14,346. *Prov.* George McDONALD, King-street, Lorne, West Maitland, N.S.W., machine agent,

"An improved method of connecting railway rails."

14,347. *Prov.* Edward Ernest JAMES and William Richard WALTER, both of Mount Gambier, S.A., furnishers,

"Improvements in and relating to bedsteads and the like."

14,348. *Comp.* Thomas Ignatius YOURELLE, *act. inv.*, architect, John BELLINGHAM, *act. inv.*, importer, and Francis McPARLAND, *assignee*, hotel proprietor, all of 215 Lambton-quay, Wellington, N.Z.,

"Improvements in and relating to facing and lining plates of ferro concrete constructions."

14,349. *Comp.* Arthur WASTALL, commission agent, c/o Arthur Otto Sachse, C.E., 82 William-street, Melbourne, Vic., patent attorney,

"Fireless cooking chamber and appurtenances."

14,350. *Prov.* Talbot BAKER, "Ailsa Craig," Church-street, Abbotsford, Vic., fur cutter,

"An improved guard for railway wheels."

14,351. *Prov.* Edward NAYLOR, Beach-road, Hampton, Vic., builder,

"A water and labor saving drum for application in the testing of water sewerage and other pipes."

14,352. *Prov.* James Augustus MILLER, Hunter-road, East Camberwell, Vic., railway employé,

"A detachable snap lock collar and shirt stud."

14,353. *Prov.* William Joseph Lennox Mackay IRVING, engineer, and Thomas Andrew MILLS, brassfounder, both c/o Phillips, Ormonde and Company, 533 Collins-street, Melbourne, Vic.,

"An improved tap for attachment to metal vessels."

14,354. *Prov.* Gerhardt BEHRENS, Leitchville, Vic., farmer,

"An improved gate, and operating method therefor, applicable to country or other gates."

14,355. *Prov.* Arthur George Lloyd NEIGHBOUR, "The Rest," Cromer-road, Beaumaris, Vic., consulting mechanical engineer,

"A direct acting compressor."

14,356. *Prov.* Albert John FORTESCUE, Arncliffe, N.S.W., manufacturer, and William MURRAY, Wollongong-road, Arncliffe, N.S.W., mechanic,

"Improved drain forming plough."

14,357. *Prov.* Harold Charles L'Oste ROLFE, Equitable Building, Collins-street, Melbourne, Vic., manufacturer,

"An improved metal post for wire fences."

14,358. *Prov.* Mark POND, George-street, Brisbane, Qld., tailor,

"A trousers side strap."

14,359. *Comp.* Peter John LEWIS, Lyndhurst, Canterbury, N.Z., farmer,

"An improved wire strainer."

14,360. *Prov.* Leslie Coomber GIBSON, "Rhinegold," Fitzroy-street, North Sydney, N.S.W., builder,

"Rotating pin and slot mechanism for increasing or decreasing speeds of rotating shafts."

Wednesday, 28th April.

14,361. Adolphe ROUBINOWITCH, 61A and 62A High-street, Bloomsbury, W.C., London, Eng., surgical instrument maker,

Application under Sec. 121.

[Date applied for 16th June, 1908, being date of application in France. Application also made in Great Britain, 21st Jan., 1909; Spain, 8th Mar., 1909; Russia, 8th Mar. and 23rd Feb., 1909; Germany, 23rd Feb., 1909; and Belgium, 27th Feb., 1909.]

"Improvements in tables for medical and surgical purposes."

Applications received, 22nd to 28th April—*continued.*

14,362. *Comp.* Amelia Hocking, Byrock, N.S.W., domestic duties,

"Hockings safety pram strap."

14,363. *Prov.* John Alexander McDonald, Birnamwood, Broomehill, W.A., pastoralist,

"An improved earth scoop."

14,364. *Prov.* William Hardwick, Avon-terrace, York, W.A., saddler,

"Hide sleeve for cricket bats."

14,365. *Prov.* John Elliott Wells, 695 Hay-street, Perth, W.A., manufacturer,

"Universal and adjustable holder for garden sprinklers."

14,366. *Prov.* Bertram Addenbrooke, North-road west, Guildford, W.A., and Cuthbert Potts, 154 Forrest-street, East Fremantle, W.A., engineers,

"Twin jointing washer for tank and pipe connections."

14,367. *Prov.* Thomas Murphy, Charlton, Vic., farm labourer,

"Improvements in cultivating implements particularly harrows."

14,368. *Prov.* Alfred John Batt, Wallaroo, S.A., commercial traveller,

"Improvements in finger or guide posts and an advertising device for use in conjunction therewith."

14,369. *Prov.* Harriett Louisa Brough, 2 Union-street, Tempe, N.S.W., married woman,

"The improved method for keeping the lid of the teapot in a safe position when the teapot is lifted in a position for pouring out the tea into a cup."

14,370. *Prov.* Sigmond Jetzinger, sign-writer, and Joseph C. Wasserman, tinsmith, both of 145 Castlereagh-street, Sydney, N.S.W.,

"Revolving, advertising & window show sign."

14,371. *Prov.* Hilary Quertier, Queen-street, Timaru, N.Z., engineer,

"Seat berth table room office and the like combined destination and order indicator and transmitting apparatus."

14,372. *Prov.* Alexander Maish, teacher, c/o Phillips, Ormonde and Co., 533 Collins-street, Melbourne, Vic.,

"An improved vessel for plant roots or the like."

14,373. *Prov.* Richard Taylor, manufacturer, c/o Phillips, Ormonde and Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in concrete floors or roofs."

14,374. *Comp.* Henry Mathew Alleyn, Tower House, 40 Trinity-square, London, Eng., gentleman,

"Improvements in castors for furniture."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

13,228. Adair-Usher Process Ltd. (Usher)

1909.

13,723. Stowe, W. E.
Steel venetian blinds.

13,727. Letchford, P. T.
Skewer extractor.

13,881. Chipman Limited (Ward)

13,894. Gilruth, J. G.

13,918. Dalglish, T.
A new table game played with ball, bats, and pockets.

13,998. Higginson, E. M.

13,999. Duncan, P. M.

14,000. Laurenceson, E.

14,009. Thomson, J. (Reid & Thomson, P. A.)

14,011. McIntyre, C.

14,014. Davis, C. H.
Boring apparatus.

14,016. Cooper, H. C.

14,017. Bush, W.

14,018. Egan, J. M.

14,019. Campbell, H.

14,020. Campbell, H.

14,022. Ridd, A.

14,026. Davey, R. W.

14,027. Briggs, F. W.

14,034. Crook, R. H.

14,036. Murnane, C.

14,037. McIntyre, M.

14,042. Austin, Florence

14,064. Morris, T. R., & Tannenberg, C. E.

14,138. De Baun, Ada

14,140. Hesketh, J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,835. John McGILLIVRAY, Ulverstone, North West Coast of Tas., sawmiller,

"Apparatus for utilizing the wind created by circular saws to remove the sawdust therefrom." 24th Apr., 1909.

11,839. Charles William GEHLING, *jun.*, Gladstone, S.A., blacksmith,

"Improvements in stump jumping cultivating implements." 27th Apr., 1909.

12,047. James Richard MALLYON, "Otterbourne," Yass, N.S.W., station manager,

"An improved compound for the poisoning of rabbits and other rodents." 23rd Apr., 1909.

12,065. John William JONES and Charles ANDREWARTHA, both of Light-square, Adelaide, S.A., implement manufacturers,

"Improved share and foot-piece for agricultural implements." 22nd Apr., 1909.

12,147. Nathaniel William McKAIL, Kalgan River, near Albany, W.A., land proprietor,

"An improved dropper." 23rd Apr., 1909.

12,330. George Edward KINNEAR, 26 Gardiner's-avenue, Marrickville, N.S.W., civil engineer,

"Fire proof fencing post." 28th Apr., 1909.

12,634. George Edward KINNEAR, 26 Gardiner's-avenue, Marrickville, N.S.W., civil engineer,

"Fencing dropper." 28th Apr., 1909.

12,947. Fergus McMASTER, Winton, Qld., grazier,

"An improved movable brake or fence for use when droving sheep and other animals." 22nd Apr., 1909.

13,224. Wilfred Banks SMITH and James BURG, both of 137 Bourke-street, Melbourne, Vic., mechanics,

"Improvements in or attachable to gas burners." 23rd Apr., 1909.

Complete Specifications lodged after Provisional Specifications—*continued.*

1909.

13,661. The Eclipse Printing Company Limited, manufacturer, 150 Clarence-street, Sydney, N.S.W., *nominee of* Norton Joseph Neave, *act. inv.*, Dural-road, Hornsby, N.S.W., secretary,

"Improved counter sales check book." 23rd Apr., 1909.

13,895. John Alfred Nott, 7 Sydenham-street, Moonee Ponds, Vic., traveller, James Charles Testro and Albert Dondey, both of 274 City-road, South Melbourne, Vic., coppersmiths,

"A detachable guard for hat pin points." 27th Apr., 1909.

13,958. Charles Cornelius Paltridge, 75 King William-street, Adelaide, S.A., inventor,

"An improved automatic room register, advertising device and letter rack." 27th Apr., 1909.

14,191. Robert McEwen, Baker's Creek, Mackay, Qld., farmer,

"Improvements in and relating to the stoppering of bottles and other hollowware." 27th Apr., 1909.

14,267. Auguste Joseph Francois de Bavay, "Florimel," Gellibrand-street, Kew, Vic., chemist,

"Improvement in the pneumatic tyres of cycles, motors, and the like." 22nd Apr., 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,809. Edmunds, K. C.
11,810. Purser, J.
11,811. Gillies, A.
11,822. Carrick, J. T., & Pattison, B. S.
11,823. Hill, F. C.
11,827. Hutton, S. F., & Lee, W. C.
11,828. Lyell, G.
11,830. Woods, M., Gilbert, G. W., & Little, J.
11,831. Wilcox, J. E.
11,832. Shaw, H. A.
11,833. Mallyon, J. R.
11,834. Haebich, J. G.
11,836. Gilruth, J. G.
11,838. Rickard, J.
11,841. Coe, J. A.
11,843. Behrens, G.
11,848. Jones, S., & Bruce, A.
11,851. Benson, A.
11,852. Anderstedt, F. L.
11,855. Dixon, T. M.
11,858. van der Velden, W.
11,861. Wilson, C. A.
11,862. Ashford, A.
11,863. Barbat, F. E.
11,864. Wurst, W. F., & Lange, W. F.
11,865. Deakin, B.
11,866. Tetterson, O.
11,867. Murnane, C.

Applications Abandoned, Withdrawn, &c.

1907.

10,547. *C.a.P.* (*Lapsed.*) William Edward ELLIS, 19 Abercrombie-street, Sydney, N.S.W., fashion artist,

"Combination ribbon measurer & winder."

10,549. *Comp.* (*Lapsed.*) Louis Henry ROGERS, 227 Willis-street, Wellington, N.Z., commercial traveller, and Alexander MYERS, Wellington, N.Z., merchant,

"An improved composition for preventing leakage of air through punctures in pneumatic tyres."

1908.

10,598. *C.a.P.* (*Lapsed.*) Frederick Charles BESLY, 56 Hunter-street, Sydney, N.S.W., accountant, and William Henry Gregory GEAKE, "Dunolly," Musgrave-street, Mosman, N.S.W., manufacturer's agent,

"Book retaining apparatus with holders for attaching advertising or other matter."

13,348. *Comp.* (*Withdrawn.*) John KING, 90 Mitchell-street, Glasgow, Scot., engineer, and Harold WORKMAN, 12 University Gardens, Glasgow, Scot., engineer,

"Improvements in carburetting apparatus."

Assignment Registered.

1907.

10,475. "Improvements in water or liquid sprinklers."

Assignment of the whole *by* Donald John MCINTOSH *to*

THE ALBERT MANUFACTURING COMPANY (NO LIABILITY). Dated 21st Sept., 1908. Registered 19th Apr., 1909.

Amendment Made.

1907.

10,517. 23 Dec. Arthur Reginald ANGUS, *applicant*, Barry-street, Neutral Bay, N.S.W. In pursuance of leave granted on the 25th February, 1909, the above-numbered Specification has been amended in the manner set forth in pp. 9-12 of Vol. 10 of this *Journal*, dated 12th January, 1909, with the exception of the proposed amendments numbered as follows:—

30, not allowed.

34, p. 10, col. 2, lines 42 to 45, from "The diameter of the bush 53" to "female member 52," is not allowed.

37, not allowed.

38, the alteration of the outline of space "55" is not allowed; the addition of reference figure "55" is allowed.

39, not allowed.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,306. Waldon.
11,315. Fischer.
11,593. Gray.
11,808. Bischof.
12,391. Topliss.
13,048. Mayson.
13,158. Wallace.
13,211. Imlay.
13,369. Caldwell.
13,370. Samuels.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

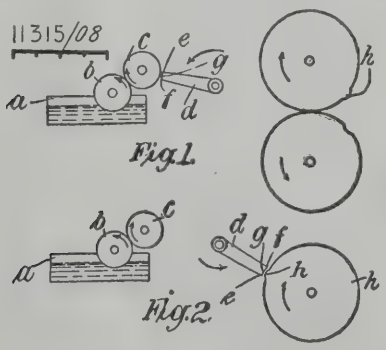
1908.

11,315. 22 Apr. R. E. Fischer and M. Wescher, Germany.

Sec. 121. Ger. 191,765. 25 Apr., 1907.

Classes 48.5; 49.3; 79.4.

Gumming rolls transfer-feed device: Rotating arm moving at greater angular velocity than adhesive rolls and having a scraping action before transferring to applying rolls.

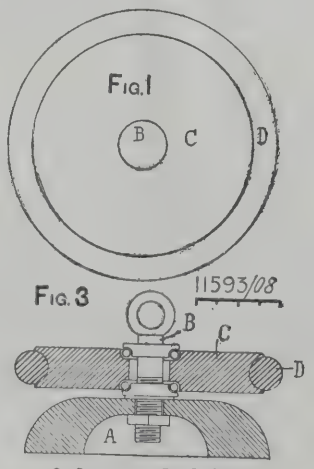


2 figures, 2 claims.

11,593. 27 May. R. Gray, South Australia.

Class 53.6.

Cushion for billiard tables, with weighted base adaptable for any position on table.



3 figures, 3 claims.

Complete Specifications Accepted—*continued.*

11,306. 22 Apr. W. E. WALDON, Western Australia.

Classes 01.7; 80.1.

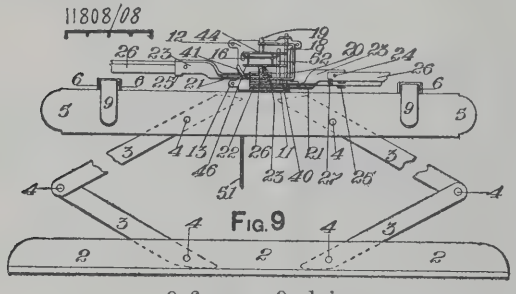
Gramophone, &c., horn made of wooden strips, bent to shape, and resinous matter extracted by solution of alum.

No drawing, 2 claims.

11,808. 23 June. G. W. BISCHOF, Victoria.

Class 01.8.

Music leaf turner: Spring back drum **44**, oscillated by pull cord, engages by drop catch **52** with turning arms, having spring leaf catch sliding on each.

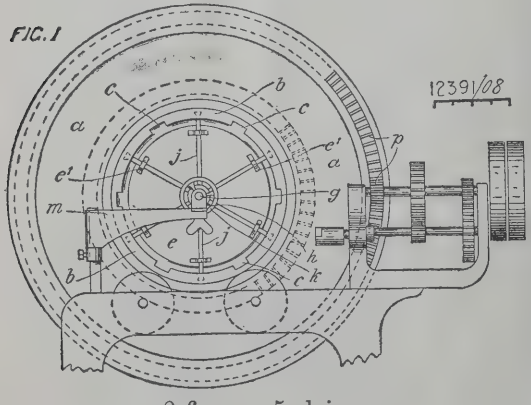


9 figures, 9 claims.

12,391. 4 Sept. H. J. TOPLISS, New Zealand.

Class 36.7.

Cover for barrel churn, fastened by radial levers and central screw; extra wheels (Fig. 8) for butter worker truck; tipping tray for butter trolly (not shown).

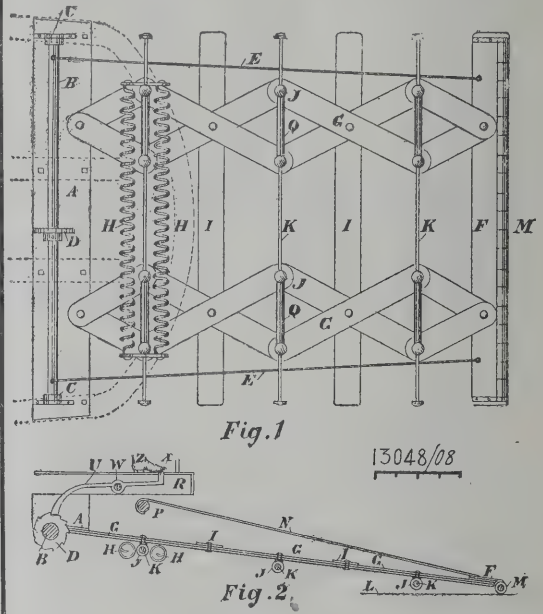


8 figures, 5 claims.

13,048. 16 Nov. T. W. MAYSON and J. EDGAR, New Zealand.

Class 88.9.

Life-saver for wheeled vehicles: Canvas apron on roller operated by lazy tongs, spiral springs, &c.

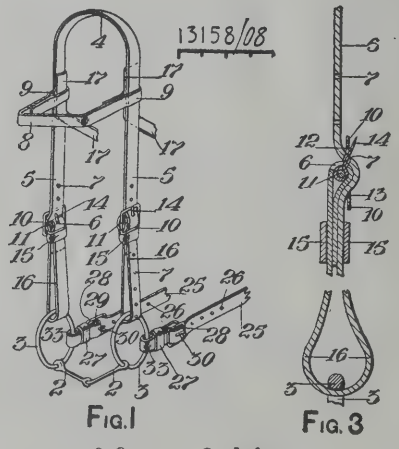


3 figures, 4 claims.

13,158. 28 Nov. F. W. WALLACE, Victoria.

Class 39.7.

Bridle with adjustable cheek straps and reins; straps attached to buckles without stitching.



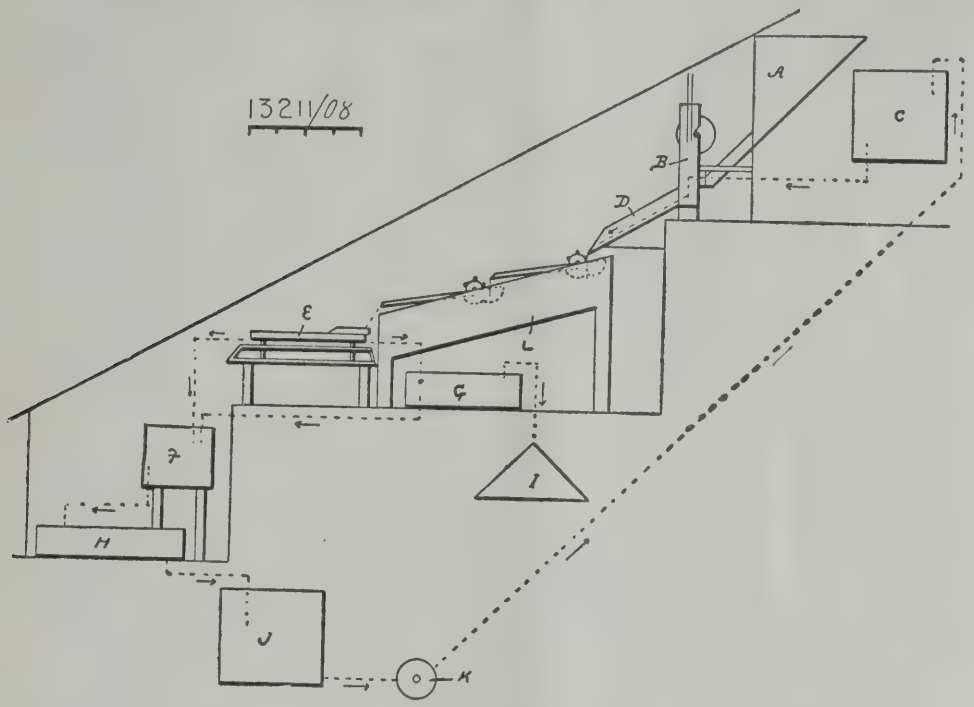
6 figures, 2 claims.

Complete Specifications Accepted—*continued.*

13,211. 4 Dec. W. L. Imlay, Penn., United States of America.

Classes 14.4; 14.7.

Aerating cyanide pulp: The solution is mixed with the ore in the stamp-mill **B**, the pulp then passes over the amalgamating plate **D**, through the lixiviator **L**, concentrator **E** and filter **F**.



1 figure, 10 claims.

13,369. 29 Dec. W. H. Caldwell, Scotland.

Sec. 121. G.B. 1689. 24 Jan., 1908.

Class 52.4.

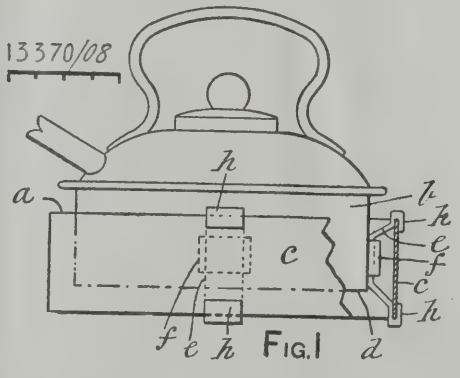
Photographic films: Derivatives of hydrazine or hydroxylamine are added to sensitive photographic surfaces containing salts of silver.

No drawing, 6 claims.

13,370. 29 Dec. J. A. Samuels, Surrey, England.

Class 24.5.

Heating utensil: Circular band clipped on to and extending below kettle to direct hot gases.



2 figures, 1 claim.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (3 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

14,174. KIRKHAM, HULETT, & CHANDLER, LIMITED, and Sidney HERSEY, gas engineers, both of 132 and 133 Palace Chambers, Bridge-street, Westminster, London, Eng.,

Application under Sec. 121.

[Date applied for 30th April, 1908, being date of application in Great Britain, No. 9384/*08*.]

"Improvements in or connected with filters chiefly designed for use in the purification of gas."

14,199. Denis FLANAGAN, 26 Oswald-street, Clayton-le-Moors, Lancashire, Eng., works manager,

Application under Sec. 121.

[Date applied for 30th Apr., 1908, being date of application in Great Britain, No. 9336/*08*.]

"Improvements in two-reel sewing machines."

14,297. George Francois JAUBERT, 155 Boulevard Malesherbes, Paris, France, chemist,

Application under Sec. 121.

[Date applied for 29th April, 1908, being date of application in France.]

"Process for manufacturing new salts derived from the alkaline, alkaline earthy and earthy peroxides."

Printed Specifications Published.

Vol. 24 comprises Applications from 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 43, comprising Applications numbered from 4800 to 8599, are now complete with title pages, &c.

Vols. 44 to 49 comprise Applications from 8600 to 9799; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4600, and many of higher numbers than 9800, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 266.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4360. H. Quertier. *Electric trolly pole.* Class 03.4.
4361. J. Fenton. *Hat fastener.* Class 43.8.
4362. H. J. Phillips. *Liquid cooler.* Classes 27.8; 29.7.
4363. B. Watson and Others (Watson and Cummock). *Aerated liquids.* Classes 27.3; 68.3.
4364. E. G. Marlow. *Steam boiler skimmer.* Class 63.2.
4365. C. Harper. *Disposal of effluents.* Classes 31.9; 86.7.
4369. J. Dunbar. *Rake-head grip.* Classes 30.1; 32.1.
4370. A. Houseman. *Bottle closures.* Class 57.5.
4373. R. Mikoleit. *Toothache powder.* Class 87.1.
4374. W. and H. Hanson. *Vehicle sunshade.* Class 93.9.
4381. H. B. Stilz. *Internal combustion engine.* Classes 66.2; 66.5; 66.7; 66.8; 69.4.
4382. F. Cotton. *Liquid fuel burner.* Class 23.3.
4384. T. Burrel. *Detachable boot heels.* Class 44.3.
4386. A. J. Hubbard and Others. *Dew reservoir.* Class 83.5.
4387. A. E. Bregmen. *Saw-set and gauge.* Class 80.3.
4389. O. Gemeinhardt. *Winding skins.* Classes 35.1; 60.5.
4400. N. C. T. Harper. *Crystallized carbonate of soda.* Class 08.9.
4403. Wallace and Jones. *Developing technique.* Classes 01.2; 01.9.
4405. J. G. Traeger. *Cultivator tines.* Class 30.9.
4407. J. Armstrong. *Zinc furnace.* Class 16.2.
4408. J. and D. Shearer. *Mould board.* Classes 30.5; 30.9.
4409. A. Worsfold. *Bent wood corners.* Classes 80.7; 93.2.
4410. A. de C. Gwynneth. *Foot appliances.* Classes 44.1; 87.4.
4415. J. A. Deane. *Eaves gutter elbows.* Classes 73.2; 81.4.
4419. R. C. Sticht. *Treating sulphide ores.* Class 15.5.
4421. C. Kolling. *Bale elevators.* Class 59.5.
4424. Cradock and Leith. *Cable grips.* Class 59.4.
4426. W. E. Martin. *Rake.* Class 32.2.
4429. J. Allingham. *Air purifier.* Class 85.9.
4430. Hamilton and Stroud. *Locking devices.* Classes 62.8; 95.7; 95.9.
4431. H. A. Cutmore. *Telephone transmitters.* Class 05.6.
4432. V. Poulsen. *Wireless telegraph receivers.* Class 05.5.

Printed Specifications Published—*continued.*

1905.

4433. H. QUERTIER. *Cleaning tramway rails.* Class 98.3.
4439-40. Void applications.
4447. P. BARUFFI. *Relief resembling pictures.* Classes 52.4; 52.6.
4456. R. V. POCOCK. *Plough coulters.* Class 30.3.
4457. G. L. THOMAS. *Convertible furniture.* Classes 45.2; 45.4.
4463, 4468-9. Void applications.
4477. R. J. TERRY. *Egg tester.* Class 38.1.
4484. M. KILROY. *Prickly pear destroying.* Class 31.5.
4489-94, 4511-4, 4519-21, 4523, 4527. Void applications.
4550. A. W. LOONE (KILWORTH). *Cycle toe clip.* Class 94.9.

Amended Specification.

4607. F. STAINES. *Shelling peas.* Class 34.1.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*21st April, 1909.*			
10,508	21 Dec.	H. M. Cooke	N.S.W.	Sash window lock ...	827
10,511	21 Dec.	J. G. Herkes	Vic.	Feeding calves	580
	1908.				
10,588	4 Jan.	Un. Shoe Mach. Co. (Cavanagh)	U.S.A.	Lasting machines... ...	683
10,657	15 Jan.	J. May	Vic.	Horse race starter ...	580
10,773	4 Feb.	H. A. Stuart	W.A.	Milk, &c., cans	731
11,670	6 June	J. R. Moore	N.Z.	Washing appliances ...	391
11,850	29 June	A. W. H. Vivian, G. L. Davies, & L. Grote	Eng.	Artificial fuel	794
12,129	3 Aug.	P. Zerbine	Argentine	Automatic gate lock ...	523
12,617	28 Sept.	A. Testelin & G. Renard...	Belgium	Spirit from petroleum ...	644

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*23rd April, 1909.*			
10,517	23 Dec.	A. R. Angus	N.S.W.	Railway running gear ...	629
10,518	23 Dec.	P. Fleming & K. M. Gibson	Qld.	Gas from oils, &c. ...	305
10,531	24 Dec.	H. V. McKay	Vic.	Resilient tyres	646
	1908.				
11,352	25 Apr.	H. A. Rogers & H. W. Pollard	U.S.A.	Aquarium attachments ...	280
11,690	10 June	G. Küpfer	Chili	Shaft bearings	392
12,111	30 July	E. R. Peacock... ...	Vic.	Card file index	683
12,160	6 Aug.	E. H. Franklin & A. B. Sturtevant	Vic.	Stop-back hinge	538
12,197	10 Aug.	H. Sanderson & others ...	Eng.	Steam engine valve gear ...	540
12,355	1 Sept.	The Dawson Patent Egg Carrier Co. Ltd. (Dawson)	N.Z.	Bending egg carrier wires ...	578
12,537	17 Sept.	C. Nielsen	N.S.W.	Row-locks	626
12,627	29 Sept.	W. Taylor	Eng.	Amusement apparatus ...	644
	1907.	*24th April, 1909.*			
10,533	24 Dec.	A. F. Bronner & others ...	Vic.	Registering delivery of liquids	646
		27th April, 1909.			
10,548	27 Dec.	G. B., G. T., & W. F. Russell	Tas.	Fish manure ...	580
10,551	27 Dec.	D. H. Taylor	S.A.	Game of skill	629
	1908.				
12,294	20 Aug.	Ludwig Hupfeld A.G. (Hennig)	Germany	Stringed instruments ...	574
12,339	27 Aug.	F. T. Richards ...	Vic.	Compressing air	577
12,374	2 Sept.	F. Walton	Eng.	Road vehicle suspension ...	579
12,386	4 Sept.	A. T. Eyton	Eng.	Motor wheel tyre... ...	594

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to –
19,208	T. Robinson & Co. Prop. Ltd.	24th Apr., 1916
19,214	Baltzer, J. W.	28th Apr., 1916
19,240	Verity Plow Co. Ltd.	6th May, 1916
19,317	Porter Safety Seal Co.	28th May, 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1897.

No.	Name.	Paid up to—
3866	Lake, S.	4th May, 1910

1901.

6077	The Hall Signal Co.	28th June, 1915

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7655/5673	T. Robinson & Co. Prop. Ltd.	25th Apr., 1916
7677/5593	Verity Plow Co. Ltd.	8th May, 1916
7706/5709	Porter Safety Seal Co.	26th May, 1916

GEORGE TOWNSEND,
Commissioner of Patents.

Printed and Published for the DEPARTMENT OF PATENTS, COMMONWEALTH OF AUSTRALIA, by J. KEMP, Government Printer for the State of Victoria.

ADVERTISEMENTS.

FURTHER NOTICE is hereby given that NORBERT CEIPEK, of 33 Wahringerstrasse, Vienna IX, Austria, chemical engineer, the Grantee of Australian Letters Patent No. 527, dated 1st June, 1904, for **"Explosive compounds of high shattering power,"** desires to enter into negotiations with any persons or companies in order to obtain the use of the invention, and is prepared to satisfy every demand, and all the requirements of the public respecting the same in the Commonwealth. Every required information and particulars will be supplied upon application to—**C. STANLEY BURGESS, Patent Attorney, 89 King William Street, Adelaide, South Australia.**

Vol. 8.—Applications and Proceedings, 1908.

Notice to Librarians.

This Volume was completed on the 5th January, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings.* The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, in progress—

Part A, Statistics	
,, B, Names	Issued 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	,, 16 Mar., 1909
,, E, States Proceedings	,, 23 Mar., 1909

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

OTHER FEES.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
Not exceeding one month ...	5	0	0
Not exceeding two months ...	10	0	0
Not exceeding three months ...	15	0	0
20. On enlargement of time for payment of renewal fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
21. For duplicate of Letters Patent, each	2	0	0
22. On making request under Regulation 124 to be informed of any dealings in connexion with a patent ...	1	0	0
23. On application for a compulsory licence. By person applying ...	5	0	0
24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
29. On application for entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent ...	1	0	0
30. On application to alter name or address in Register	0	10	0
31. On application to correct clerical error in Register	0	10	0
32. On application to correct clerical error, before sealing	0	5	0
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39. For certificate of Commissioner under section 28 of the Act	0	10	0
40. Search or inspection fee ... each	0	1	0
41. Annual search fee	5	0	0
42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

Vol. 10.] 1909. [No. 17.
(WITH SUPPLEMENT).

Tuesday, 11th May.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE Australian Official Journal of Patents.



Notice.

Applications Received, 14,375 to 14,440.

Commonwealth Proceedings.

States Proceedings.

Supplement—Monthly Indexes, April, 1909.

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C.5467.

DEPARTMENT OF PATENTS.

Price List of Publications.

The following publications are on sale at the Government Printing Office, Melbourne:

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,, 1909, No. 2		1s. 6d.
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"A wave detector for wireless telegraphy,"

and No. 6840, dated the 5th September, 1906, for—

"Improvements in wireless electric signaling system and apparatus therefor,"

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Patent Bureau, 533 Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that the Grantee of Australian Patent No. 283, dated the 1st of June, 1904, for :—

"Improvements in apparatus for casting projectiles for small arms,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 35, dated the 1st of June, 1904, for :—

"Improvements in or relating to typographic machines,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 3246, dated the 24th of May, 1905, for :—

"Improvements in printing machines,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantee of Australian Patent No. 3706, dated the 26th of July, 1905, for :—

"Improvements in machines for composing and casting logotypes,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

ADVERTISEMENTS.

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 4916, dated the 28th of December, 1905, for :—

"Improvements in linotype machines,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 5245, dated the 14th day of February, 1906, for :—

"Improvements in machines for the assembly of type matrices and the casting of linotypes therefrom,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 5328, dated the 23rd of February, 1906, for :—

"Improvements in linotype machines,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 7513, dated the 4th of December, 1906, for :—

"Improvements in linotype machines,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 4597, dated the 15th day of November, 1905, for :—

"Improvements in manually operated apparatus for casting curved stereotypes,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 5664, dated the 10th day of April, 1906, for :—

"Improvements in apparatus for casting curved stereotypes,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantees of Australian Patent No. 6296, dated the 28th June, 1906, for :—

"Improvements in apparatus for casting curved stereotypes,"

are prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Grantee of Australian Patent No. 501, dated the 1st of June, 1904, for :—

"Improvements in printing machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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VOL. 10.] 11TH MAY, 1909. [No. 17.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Examination for Patent Attorneys	345
Commonwealth—	
Applications Received	346
Provisional Specifications Accepted	350
Complete Specifications after Provisional	350
Applications (Prov.) Lapsed	351
Assignments Registered	352
Complete Specifications Accepted	352
Illustrated Notes	352
Specifications open to Public Inspection before Acceptance	360
Commonwealth—*continued.*	
Printed Specifications Published	361
Letters Patent Sealed	363
Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed	363
Queensland—	
Renewal Fees Paid	364
South Australia—	
Renewal Fees Paid	364

NOTICE.

Examination for Patent Attorneys.

It is hereby notified, for public information, that an Examination of Candidates for registration as Patent Attorneys will be held at the Patent Office, Melbourne, on the 2nd and 3rd August, 1909, or upon such other dates during that month as may be appointed by the Board.

The attention of Candidates intending to present themselves for examination is directed to Regulation No. 152 under the *Patents Act* 1903, which provides that—

> Every Candidate for admission to practise as a Patent Attorney shall, at least 30 days before the date appointed for holding any examination, lodge with the Secretary an application in Form FF, a declaration in Form GG, and a certificate in Form HH, in the Second Schedule, and pay the examination fee.

The fee for examination is £2, and applications must reach the Secretary before 2nd July, 1909.

The following books of reference have been prescribed by the Board:—

Edmunds on Patents (2nd edition).
Sebastian's Law of Trade Marks (4th edition).
Kerly on Trade Marks (2nd edition).
Patents Trade Marks and Designs, by David Fulton (2nd edition).

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board

Patent Office,
Melbourne.

C.5467.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 29th April to 5th May, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Thursday, 29th April.

14,375. *Comp.* Alexander GIBB, Goytrey House, Pontypool, Monmouthshire, Eng., and Thomas Graham MENZIES, 130 Wellesley-road, Chiswick, London, Eng., civil engineers,

"Improvements in apparatus for laying concrete."

14,376. *Prov.* Alfred Grace THOMPSON, Bay-street, Brighton, Vic., sporting goods manufacturer,

"Football fastener."

14,377. *Comp.* Edwin PHILLIPS, 533 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* GESELLSCHAFT FUR DRAHTLOSE TELEGRAPHIE M.B.H., Berlin, Tempelhofer Ufer 9, Berlin, Germany, manufacturer,

"Apparatus for producing rapid and but very slightly damped electrical oscillations."

14,378. *Prov.* George Hamilton KNIGHT, James-street, St. Peters, S.A., draper,

"Improved combination strap device for parcels and baskets."

14,379. *Prov.* Edward BOYLDEN, 24 Linda-street, Moreland, Vic., carpenter,

"Improved dumper non-tearing bag-filler."

14,380. *Prov.* Alfred Henry James PARKER, Montrose-street, Christchurch, N.Z., carpenter,

"Improvements in or relating to windows."

14,381. *Prov.* Samuel George ROSEMAN, Point Chevalier, Auckland, N.Z., brush-maker,

"Improved means for use in securing broom handles in the heads."

14,382. *Prov.* John Gordon WILLIAMS and David WILLIAMS, both of 56 Market-street, South Melbourne, Vic., sanitary appliances manufacturers,

"Improved fumigator for ships and public buildings."

14,383. *Prov.* Cecil Albert LAURENCE, Albert-road, Strathfield, N.S.W., engineer,

"Improved air compressor or tyre inflator and improved devices relating thereto and to motor cars."

14,384. *Comp.* George Edward ANDREW, Ormond, Vic., manager,

"An improved jointing material for cans and the like containing foodstuffs."

14,385. *Prov.* Keith MAITLAND-GIBSON, mining engineer, c/o Ruthning and Jenson, solicitors, 270 George-street, Brisbane, Qld.,

"An improved appliance for the manufacture of gas from oils or any like substance for illuminating, heating, cooking, and motive purposes."

14,386. *Comp.* John SYVRET, engineer, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improvements in closets."

14,387. *Prov.* Charles Henry SAWYER, groom and gardener, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"An improved gripping device for suspending articles in any desired position."

Applications received, 29th April to 5th May—*continued.*

14,388. *Prov.* Charles Henry SAWYER, groom and gardener, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"An improved method of displaying advertising matter and the like."

14,389. *Prov.* Charles Henry SAWYER, groom and gardener, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"An automatically secured limber-pin for use in connection with mining skips and the like."

Friday, 30th April.

14,390. *Prov.* John Joseph REILLY, 448 Lygon-street, Carlton, Vic., insurance agent,

"Reinforced compressed block walling and barbed or other wire fencing being fire rabbit and other vermin proof."

14,391. *Prov.* William Henry GORDON, 69 Lygon-street south, Ballarat, Vic., engineer,

"An improved means for securing bosses on shafts."

14,392. *Prov.* Thomas Walker MACINTOSH, Rosebery-street, Penshurst, N.S.W., mechanical engineer,

"Improvements in and relating to trapping fences."

14,393. *Prov.* William Thomas ATTHOW, Queen and Edward streets, Brisbane, Qld., solicitor,

"An improved stopper for bottles, and bottles relating thereto."

14,394. *Prov.* William Thomas ATTHOW, Queen and Edward streets, Brisbane, Qld., solicitor,

"An improved injector for human use."

Saturday, 1st May.

14,395. *Prov.* Lucas Recardo SMETHURST, carpenter, c/o Messrs. Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved combination stretcher and tent."

14,396. *Prov.* Alfred WHITE, "Merri," Mitchell-street, Brunswick, Vic., clerk,

"An improved sanitary pad, for use in connection with the telephone mouthpiece."

14,397. *Prov.* Daniel CHARLESTON, 226 Elizabeth-street, Melbourne, Vic., cycle manufacturer,

"An improved spring attachment for seats of bicycles or motor cycles."

14,398. *Prov.* Robart HYLTON, 75 Palmer-street, Fitzroy, Vic., and William Ames RAMSDEN, 44 Hodgkinson-street, Clifton Hill, Vic., boot machinists,

"A draught funnel."

14,399. *Prov.* Albert Henry WILLIAMS, Wooriwrite Station, Terang, Vic., station-hand,

"An improved fencing dropper."

14,400. *Prov.* John William FREMAN, 116 Madeline-street, Carlton, Vic., engineer,

"Improvement in furnaces to effect a smokeless combustion of fuel with economy and appliances connected therewith."

Monday, 3rd May.

14,401. *Prov.* Tom Charles Shepherd ANTHONY, 283 Angas-street, Adelaide, S.A., compositor,

"Improved construction of footways or sidewalks and adjuncts thereto."

14,402. *Prov.* Joseph Harry BASSETT, 14 Victoria-street, North Melbourne, Vic., engineer and bicycle mechanic,

"An improved lock-nut."

14,403. *Prov.* William GAZZARD, blacksmith, Joseph Harwood GAZZARD, blacksmith, John Bruce GAZZARD, wheelwright, and Charles Garibaldi GAZZARD, painter, trading as "Gazzard Bros.," Creswick-road, Ballarat, Vic.,

"Combined three and four horse and four and five horse swingletrees."

14,404. *Prov.* St. Thomas RYAN, 16 Buckingham-street, Richmond, Vic., and Charles Henry SHAW, 16 Cambridge-street, Collingwood, Vic., manufacturers,

"Darning and mending machine."

14,405. *Comp.* Philip MAGNUS, "Victor," Jackson-street, Northcote, Vic., rubber expert,

"An improved wheel for the sharpening of edged tools and for the burnishing of metals."

Applications received, 29th April to 5th May—*continued.*

14,406. *Prov.* William James THOMPSON, 19 Pitt-street, Redfern, N.S.W., electrical engineer,

"The 'Disc' safety mechanism to be used in conjunction with a time clock for pigeon or bird racing."

14,407. *Prov.* Robert PARKINSON, Henty-street, Casterton, and George SEARLY, Tyers-street, Hamilton, Vic., hawkers,

"The never fail scour cure."

14,408. *Comp.* Johannes MEHNE, Naumburgerstrasse 8, Leipzig-Plagwitz, Germany,

"Method of washing linen and the like."

14,409. *Comp.* Edwin PHILLIPS, 533 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Samuel KAYE, *act. inv.*, Columbus, Lowndes, Miss., U.S.A., manufacturer,

"Improvements in and relating to roller bearings."

14,410. Charles William GRAHAM, Ngapara, near Oamaru, Otago, N.Z., farm labourer,

Application under Sec. 121.

[Date applied for 16th May, 1908, being date of application in N.Z., No. 24,402/*08*.]

"An improved frame for coiling and uncoiling wire."

14,411. *Comp.* John HEINE, George-street, Redfern, N.S.W., machinery manufacturer,

"Improvements in machines for double seaming cylindrical can heads."

14,412. *Prov.* Norman PEEK, school teacher, and Alexander Anderson NELSON, saddler, both c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"An attachable and detachable boot-sole for use by athletes."

14,413. *Prov.* William JOHNSON, 100 Elizabeth-street, Brisbane, Qld., mercantile agent, *communicatee of* Henry JOHNSON, *act. inv.*, 491 Union-avenue, Paterson, New Jersey, U.S.A., merchant,

"Shirt waist fastener and adjuster."

14,414. Augustus David KLABER, 26 Holborn Viaduct, London, Eng., merchant,

Application under Sec. 121.

[Date applied for 18th May, 1908, being date of application in France, No. 390,350. Application also made in Great Britain, 14th Nov., 1908; Denmark, 28th Dec., 1908; Belgium, 6th Feb., 1909; and Switz., 6th Feb., 1909.]

"Improvements in duplicators."

14,415. *Comp.* John Frederick WEBB, *act. inv.*, 20 Louvaine-road, Spencer Park, Battersea, London, Eng., engineer, and Percy TARBUTT, *assignee*, 18 St. Swithin's-lane, London, E.C., Eng., consulting engineer,

"Improvements in filtering apparatus for use in connection with the washing of slimes and for other similar purposes."

14,416. *Comp.* Louis Victor William FROGER, 26 Rue Victor-Hugo, Lorient (Morbihan), France, retired lieutenant,

"Towing apparatus."

14,417. Donald ROBERTSON, General Post Office, Wellington, N.Z., civil servant,

Application under Sec. 121.

[Date applied for 13th May, 1908, being date of application in N.Z., No. 24,399/*08*.]

"Improvements in post marking machines."

14,418. Thomas Morris DAVIES, "Highfield," Llanelly, Carmarthenshire, South Wales, managing director,

Application under Sec. 121.

[Date applied for 12th Oct., 1908, being date of application in Great Britain, No. 21,541/*08*. Application also made in France, 19th Oct., 1908; Belgium, 20th Oct., 1908; and Germany, 4th Dec., 1908.]

"An improved auxiliary or spare rim for lateral attachment to a vehicle wheel."

14,419. William Henry MORGAN, 29 Coronation-terrace, gas-maker, James DENSLEY, 20 Ewart-road, retort setter, Harry GRAY, Elm View, Stafford-road, assistant gas works manager, George GEERING, 20 Osborne-road, manufacturers' agent, all of Weston-super-Mare, Somersetshire, Eng.; and Henry James WALDUCK, Crown Galvanizing Works, Fazeley-street, Birmingham, Warwickshire, Eng., manufacturer,

Application under Sec. 121.

[Date applied for 15th May, 1908, being date of application in Great Britain. Application also made in U.S.A.]

"A new or improved process and apparatus for the manufacture of coal, water or oil gas, or combinations or mixtures of the said gases."

Applications received, 29th April to 5th May—*continued.*

14,420. *Comp.* John Morrison Hansen, 5922 Howe-street, Pittsburgh, Penn., U.S.A., manufacturer,

"Method of and apparatus for reforging car wheels."

14,421. *Comp.* The Westinghouse Brake Co. Ltd., 82 York-road, King's Cross, London, Eng., manufacturer, *assignee of* John Wills Cloud, *act. inv.*, 82 York-road, King's Cross, London, Eng., engineer,

"Improvements in fluid pressure brake apparatus for railway and like vehicles."

14,422. *Comp.* Karl Axel Hugo Wettervik, Scheelegatan 12, Stockholm, Sweden, engineer,

"Improvement in milking machines."

14,423. *Comp.* Arthur Augustus Brooks, "Cranleigh," Park-avenue, Ashton-on-Mersey, Cheshire, Eng., engineer,

"An improved system in photography of packing and changing sensitised plates and improved means therefor and for developing and fixing the same."

Tuesday, 4th May.

14,424. *Prov.* Peter Holt, "Nithsdale," St. Kilda-street, Brighton, Vic., wicker manufacturer,

"Hand street sweeper on wheels."

14,425. *Prov.* Frederick Roberts, Clarke-street, Northcote South, Vic., furniture maker,

"Telephone meter."

14,426. *Prov.* Charles Alfred Matthews, clerk, care of Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved combination appliance for lifting or lowering pictures or curtain poles."

14,427. *Comp.* James Arthur Warren, Bellingen River, N.S.W., saddler,

"Improvements in harness partly applicable to quick repair of same."

14,428. *Comp.* Fred Walsh, 475 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Pierre Poetto, 4 rue Pajol Paris, France, mechanical engineer,

"Hydro-pneumatic, iso-synchronic time communication to any number of pneumatic clocks."

14,429. *Comp.* Ludwig Clamor Marquart, *Ph.D.*, Beuel on Rhine, Germany, chemist,

"Improvements in combatting fungous diseases on plants."

14,430. *Prov.* Robert Wilson Hill, Verner-street, South Geelong, Vic., engineer,

"An improved adjustable mounting for the knives of chaff cutters and the like."

Wednesday, 5th May.

14,431. Dr. Lazar Edeleanu, 15 Strada Sf. Constantin, Bucharest, Roumania, chemist.

Application under Sec. 121.

[Date applied for 22nd May, 1908, being date of application in Germany.]

"Improvements in purifying crude petroleum, or petroleum products, or distillates."

14,432. *Prov.* Henry Thomas Shelton, 63 Perth-street, Prahran, Vic., grocer, and William Gibbs, Commercial Bank, Shepparton, Vic., manager,

"Improvements in clothes pegs."

14,433. *Prov.* Terence Fahey, Railway Station, Perth, W.A., railway officer,

"An improved staff and ticket box for the safe working of trains on a single line of railway."

14,434. *Prov.* Sims Lever, *D.D.S.*, 229 Macquarie-street, Sydney, N.S.W., dental surgeon,

"Improved device for the cleaning of dental drills burs and the like."

14,435. *Comp.* James Michael Dowd, Christchurch, N.Z., farmer,

"Improvements in plough draught and in making plough ridable."

14,436. *Prov.* Walter Morrison, inventor, care of Edward Waters and Sons, patent attorneys, 7 Moore-street, Sydney, N.S.W.,

"Improved dirt receiver for water tanks."

Applications received, 29th April to 5th May—*continued.*

14,437. *Prov.* Claus Joseph Schmidt, Princes-street, North Sydney, N.S.W., electrical engineer,

"Improvements in safety gear for mining and elevator cars."

14,438. *Prov.* Charles Myles, 51 McKenzie-street, Rozelle, N.S.W., clerk,

"Formula, for the destruction of noxious weeds (prickly pear blackberry etc.)"

14,439. *Prov.* Leslie Coomber Gibson, "Rhinegold," Fitzroy-street, North Sydney, N.S.W., builder,

"An adjustable irreversible steering mechanism for motor cars and self propelled vehicles."

14,440. *Prov.* John Whitlock, ploughmaker, care of T. C. Allen, 127, King-street, Sydney, N.S.W.,

"Apparatus for maintaining the shape of plough mouldboards during the process of chilling or tempering."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1909.

13,699. Kenney, H.
An improved advertising kiosk.
13,755. Wright, O.
An improved kiln or retort for the production of charcoal.
13,758. Vallely, F.
Resilient wheel.
13,870. Lane, T.
The ventilator closet.
13,891. McFarlane, C. E.
13,916. Shailer, P. H., & Hebblewhite, W. R.
An improved elastic wheel.
13,966. Niven, H.
13,969. Vogt, Margaret (Vogt, L. T.)
13,970. Talbot, T.
13,976. Fortescue, A. J., & Willington, W. T.
13,981. Anderson, H. D. R. (Woolf)
13,986. Alefounder, G. S. (Alefounder, Kingstone, & King)
13,995. Smith, F.
An improved puncture-proof air tube for cycle, motor cycle and motor car tyres.
13,996. Smith, F.
An improved india rubber hair-waver or curler.
14,012. Brewster, A. S.
14,028. Walker, C. J.
14,035. Davis, W.
14,043. Beck, J. L.
14,044. Waern, J. D.
14,061. Goodall, G.
14,065. Hamilton, D. J.
14,067. Newman, J. G.
14,071. Martin, Clare L.
14,073. Tyree, W.
14,078. Wells, H. G., & Anderson, A.
14,079. Moss, E., & Mayes, E.
14,080. McLean, A. L.
14,086. Ryan, E., & Reilly, J. L.
14,087. Ward, F. T.
14,090. Lamb, R. E. H.
14,091. Clayton, C.
14,112. Alkemade, P. V. L.
14,118. De Jersey, C. L.
14,121. Frearson, R. S.
14,122. Sawyer, C. H.
14,124. Makinson, A. M., & Dennis, H.
14,125. Oxlade, R. & A. A.
14,126. Dayton, W. T.
14,136. Goss, W. E.
14,163. O'Neill, H. J.
14,167. Lyon, G. McC.
14,178. Wilson, R.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

11,887. Isabel Agnes Plummer, View-street, Woollahra, N.S.W., trading as Madame Bell, Australian Joint Stock Bank Chambers, George and King streets, Sydney, N.S.W., teacher of dress cutting,

"Improved artificial feather usable for trimming hats and dresses for making boas and muffs and for like purposes." 29th Apr., 1909.

12,103. William Trewhella, Trentham Vic., engineer,

"Improved horse-power winch. 29th Apr., 1909.

12,104. William Trewhella, Trentham, Vic., engineer,

"Improvements in pawl and ratchet mechanism." 29th Apr., 1909.

Complete Specifications lodged after Provisional Specifications—*continued.*

12,113. Walter Albert MARTIN, 245 High-street, St. Kilda, Vic., bootmaker,

"An improved sewing awl." 29th Apr., 1909.

12,134. Ernest HAYES, Oturehua, late of Rough Ridge, Otago Central, N.Z., machinist,

"An improved fencing link." 4th May, 1909.

12,156. Mary Prichard BASSETT and Edward Prichard BASSETT, solicitor, both of City Bank Chambers, 164 Pitt-street, Sydney, N.S.W.,

"Ball roller carriage." 5th May, 1909.

12,157. Mary Prichard BASSETT and Edward Prichard BASSETT, solicitor, both of City Bank Chambers, 164 Pitt-street, Sydney, N.S.W.,

"Improved ball roller for furniture." 5th May, 1909.

12,158. Mary Prichard BASSETT and Edward Prichard BASSETT, solicitor, both of City Bank Chambers, 164 Pitt-street, Sydney, N.S.W.,

"Underfoot mono-rail car supporter." 5th May, 1909.

12,178. Harold Sheen MARTIN, 16 Cumberland-street, Liverpool, Lancashire, Eng., electrical engineer,

"Improvements in electrical resistance devices." 30th Apr., 1909.

12,206. Archibald BLACK, Koroit, Vic., plumber,

"Improvements in acetylene generators." 30th Apr., 1909.

12,325. Samuel HORDERN, trading as Anthony Hordern and Sons, New Palace Emporium, Brickfield Hill, Sydney, N.S.W., universal provider, *assignee of* Robert Scuse GILLETT, *act. inv.*, Harris Park, Parramatta, N.S.W., business manager, and Henry Ernest PETERS, *act. inv.*, "Granville," Rawson-street, Mosman, N.S.W., manager of boot department,

"Improved temporary binder or holder for manifold books and the like." 1st May, 1909.

12,785. George McMULLEN, 76 Outram-street, Perth, W.A., architect, and Laurence DWYER, 59 Vincent-street, Perth, W.A., manufacturer,

"Steel fibre concrete." 30th Apr., 1909.

13,181. Charles James Vivian STEEL, King-street, Ashfield, N.S.W., veterinary surgeon,

"An improved hypodermic syringe for use in inoculating cattle, sheep, horses or other animals." 5th May, 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,847. Mason, C.
11,873 Jowett, R.
11,874. Streeter, J.
11,877. Gale, J.
11,879. Rule, C. E.
11,880. Melville - Hamilton, Augusta M.
11,881. Melville - Hamilton, Augusta M.
11,884. Sutton, W. J. E.
11,885. Morris, P. A., & Osborn, H. J. M.
11,888. Grubb, A. E.
11,889. Freeman, E.
11,891. Dugan, Ellen (Corbett)
11,892. Lee, P. F.
11,893. Flemming, J. J. W.
11,894. Flemming, J. J. W.
11,895. Way, A. G.
11,896. Wolesley Sheep Shearing Mach. Co. Ltd. (Davidson)
11,897. Stuart, J. P.
11,898. Byrnes, P. J., & Fuller, A. C.
11,900. Furness, A. E.
11,902. Nichols, H. H., & Hudson, G.
11,903. Larsen, N. P., & Woodward, B.
11,904. Perkins, C. A.
11,906. Glasheen, W. T.
11,907. Matthews, J. H.

Assignments Registered.

1904.

1050. "Improvements in riding and driving saddle trees."

Confirmatory deed of assignment, dated 22nd Jan., 1909, registered 25th Mar., 1909, confirming assignment of whole interest made by Robert Alfred Cowley RUSSELL *to*

John Henry BUTLER, Harold Brooke BUTLER, and Erick Rock BUTLER. Dated 6th Apr., 1906. Registered 24th Aug., 1906.

1908.

11,954. "An improved tongs."

Assignment of the whole, excepting the State of South Australia, made by Howard Garthon BOWERN *to*

Arthur Gore COLLISON as to one-fifth share, and Frederic ISAAC as to four-fifths share. Dated 16th Sept., 1908. Registered 21st Apr., 1909.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,158. Hutchinson.
11,381. Walsh.
11,389. Macdonald.
11,402. Denham.
11,440. de Briailles.
11,619. McLeod.
11,620. Trent.
11,749. Will.
11,782. Loftus.
11,890. Barnard.
12,109. Johns.
12,213. McGeever.
12,780. Hubert.
13,149. Barrett.
13,234. Davis.
13,243. Baumgaertner.
13,271. Griffin.
13,329. Jordan.
13,388. Lang.
13,406. Douglas.

1909.

13,558. Honeywood.
13,623. Bendle.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

Complete Specifications Accepted—*continued.*

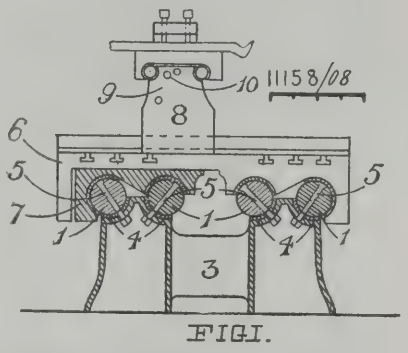
1908.

11,158. 30 Mar. J. H. Hutchinson, New Zealand.

Classes 72.3 ; 72.5 ; 60.7.

Lathe and planing machine slides : Round bars **1** used in lieu of flat surfaces have antifriction metal bearings **4** ; in lathes bars are bolted to frame, and wear in saddle is adjusted by turning bars around or changing end for end, while that in slide is taken up by screwed taper pins **10** expanding slot **9** ; planing machines have their bars secured to slide and bearings on frame.

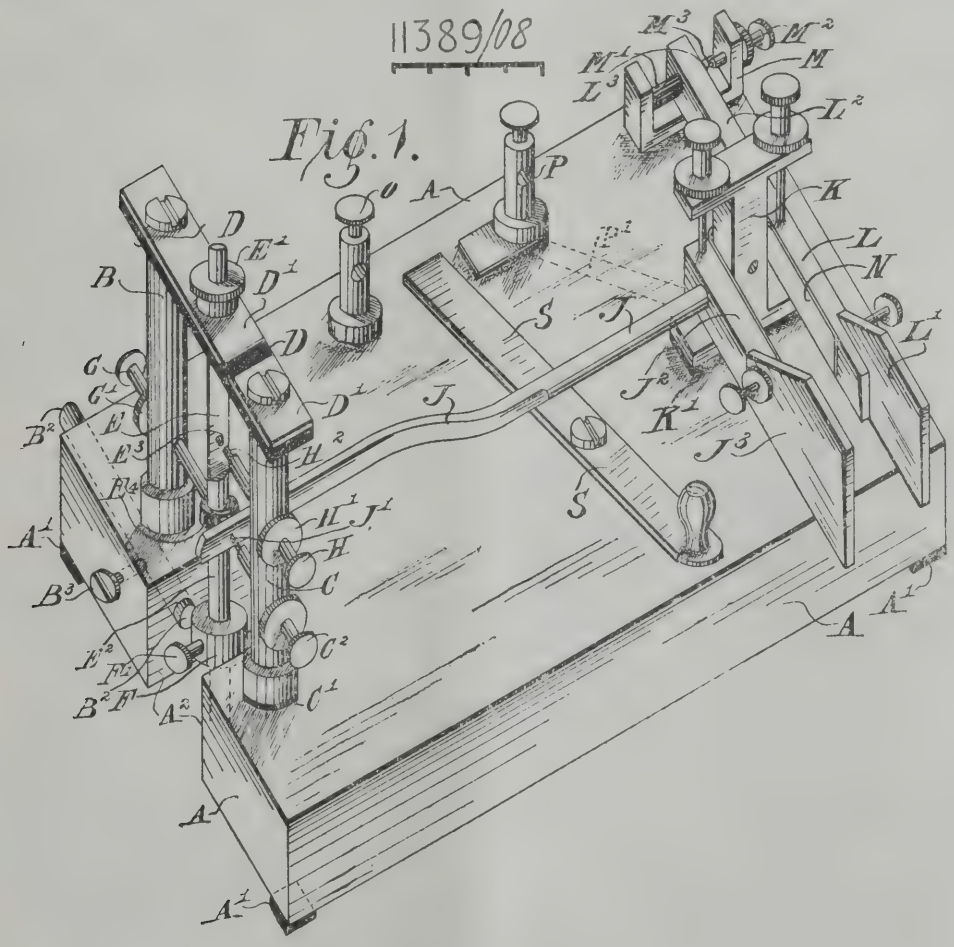
3 figures, 3 claims.



11,389. 30 Apr. A. Macdonald, South Australia.

Class 05.2.

Transmitter : "Dots" produced by vertically arranged pendulum ; vertically pivoted horizontal lever for "dashes."



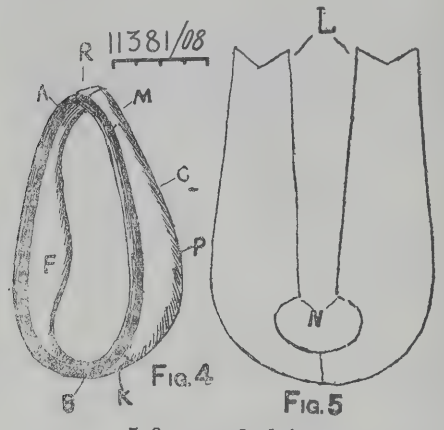
4 figures, 8 claims.

Complete Specifications Accepted—*continued.*

11,381. 29 Apr. T. WALSH, N.S.W.

Class 39.6.

Horse collar: Split cane and hessian rim, steel band optional; sides of moulded compressed paper; canvas and leather covers.

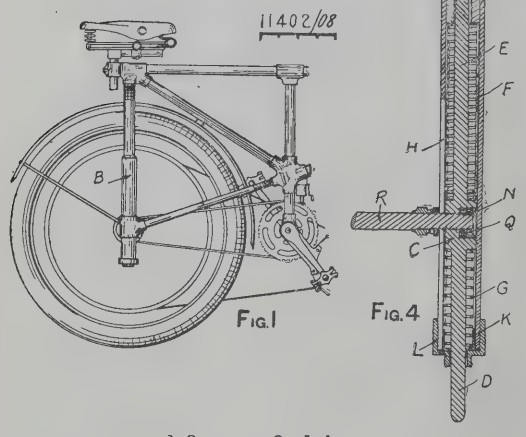


5 figures, 2 claims.

11,402. 1 May. F. C. DENHAM, N.S.W.

Class 94.1.

Motor cycles: Slotted tubes forming frame forks; axle carriers slidable in slotted tubes, and spiral springs enclosed therein.

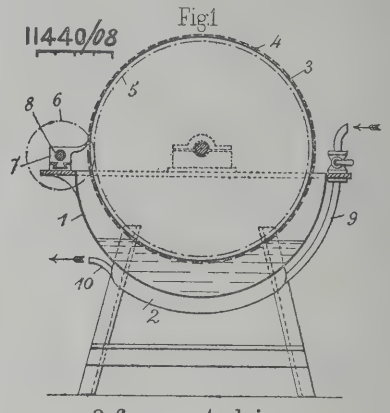


6 figures, 3 claims.

11,440. 7 May. Count G. C. DE BRIAILLES, France.

Classes 47.7; 48.3; 52.6; 53.4; 88.4.

Kinematograph film of gelatine (chondrine) and nitro-cellulose. Hollow cylinder, with polished surface turning in vat and fitted with knives, for forming and cutting films.

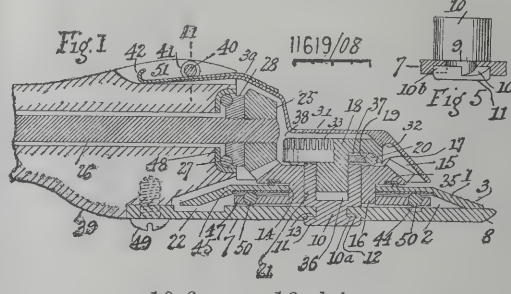


2 figures, 4 claims.

11,619. 30 May. D. M. MCLEOD, South Australia.

Class 37.6.

Sheep shears: Recessed comb, rotary cutter, tension post, hinged or pivoted guard.



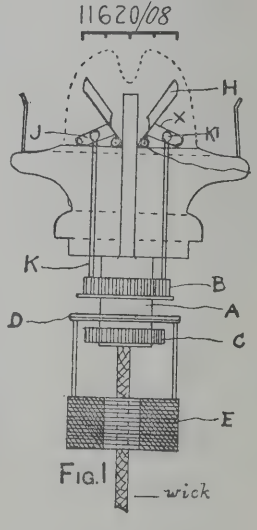
10 figures, 12 claims.

11,620. 1 June. W. J. TRENT, Victoria.

Class 22.2.

Automatic extinguisher for oil-wick lamps: Hinged arms closed over wick by pendulum weight.

6 figures, 3 claims.

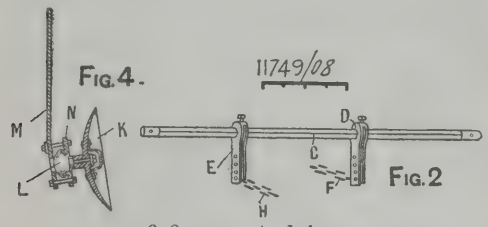


Complete Specifications Accepted—*continued.*

11,749. 17 June. L. Will and C. P. Will, South Australia.

Classes 30.7; 30.9.

Stump-jump implement: Rising beam pivoted upon a rock-shaft secured to frame at right angles to the off-side beam thereof; the disk is mounted upon axle having ball-shaped end.

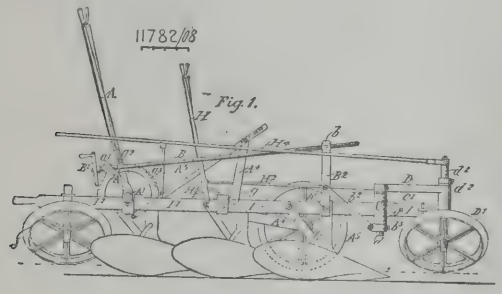


6 figures, 4 claims.

11,782. 19 June. H. A. Loftus, Victoria.

Class 30.5.

Multi-furrow plough: Lever and quadrant for lifting; screw rod for adjusting depth of cut; setting lever for furrow wheel. Modification.

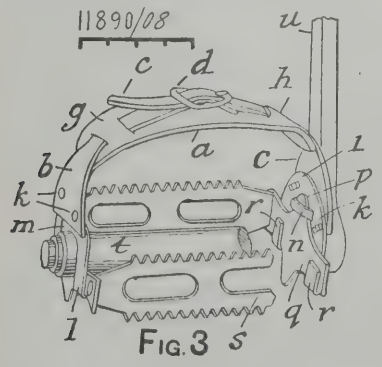


4 figures, 5 claims.

11,890. 2 July. T. Barnard, Victoria.

Class 94.9.

Pedal clip: Buckle and straps attached to U-plates, having integral offsets or lugs.

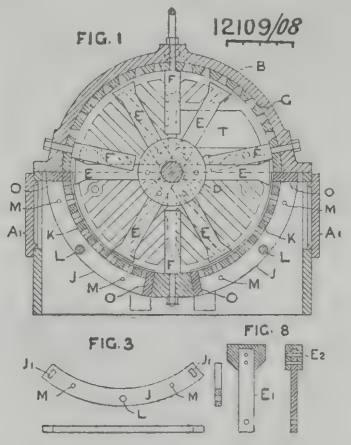


3 figures, 4 claims.

12,109. 30 July. J. W. Johns, New South Wales.

Classes 10.6; 60.7.

Discharge grating with removable bars for pulverizing machine: Reversible beater arms with dovetailed or hammer heads; shaft bearing with end thrust and end adjustment; ring lubrication.



9 figures, 3 claims.

12,213. 11 Aug. W. H. McGeever, Queensland.

Class 99.4.

Train staffs: Circular principal staff with subsidiary staffs **E** and instruction tablets **B**[1], with locking attachments for working several trains on single line.

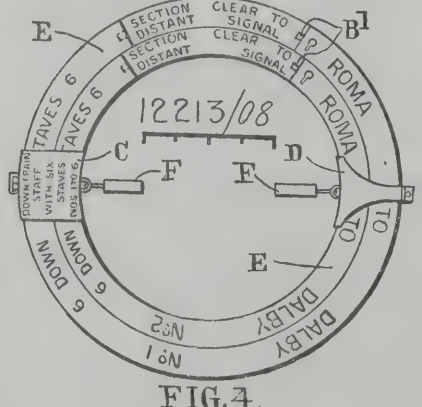


FIG. 4.

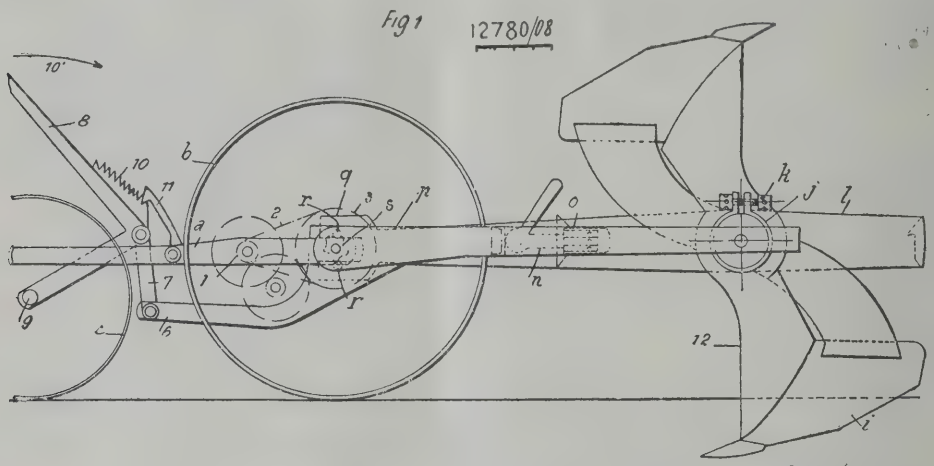
9 figures, 6 claims.

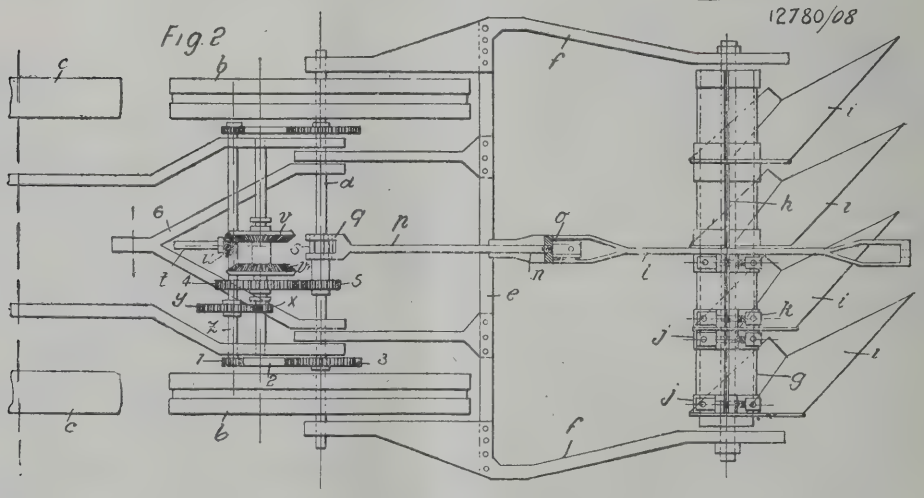
Complete Specifications Accepted—*continued.*

12,780. 14 Oct. L. A. Hubert, France.

Classes 30.5 ; 95.5 ; 95.9.

Automobile plough: Multiple shares receiving together an oscillatory vibrating motion. Modification.





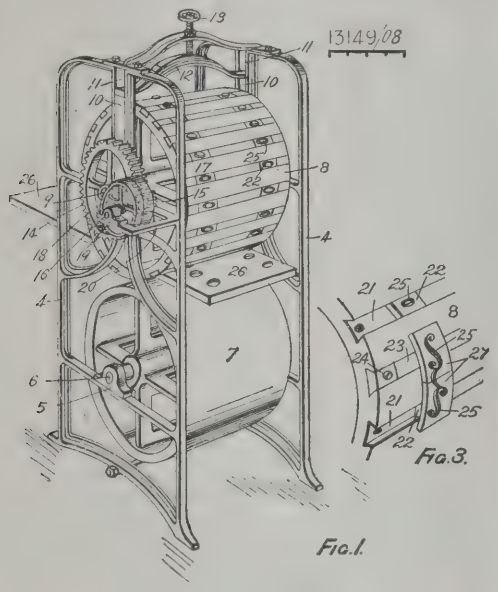
4 figures, 9 claims.

Complete Specifications Accepted—*continued.*

13,149. 27 Nov. T. Barrett, New South Wales.

Classes 70.6 ; 80.6.

Intagliated patterns in wood, leather, &c.: Material impressed by passing between power driven cylinders ; serial dies and fillers secured in transverse dovetail grooves in upper cylinder : continuous pattern die made to bridge the fillers, Fig. 3.



3 figures, 4 claims.

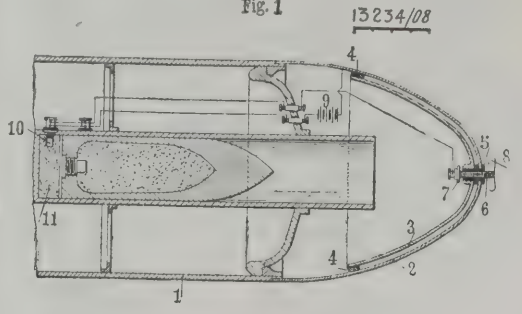
13,234. 9 Dec. C. Davis, Mass., United States of America.

Sec. 121. U.S.A. Serial No. 406,497. 14 Dec., 1907.

Classes 89.3 ; 89.6 ; 91.6.

Torpedo firing device : **6** is a screw shaft, **7** a contact, **8** a propeller revolved as torpedo is forced through the water, and which detaches itself from the shaft and thus enables the contact to operate an electric circuit.

Fig. 1

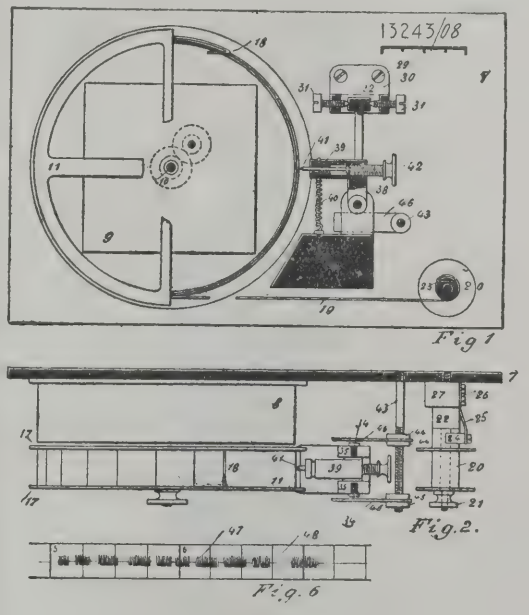


2 figures, 10 claims.

13,243. 9 Dec. F. Baumgaertner, New South Wales.

Classes 00.1 ; 56.6.

Vehicle locomotion recorder : Clockwork-operated drum carrying tape on which record is made by pencil held by arm on pendulum bob ; transit is shown by transverse lines due to vibration, and time of rest by longitudinal line (Fig. 6).



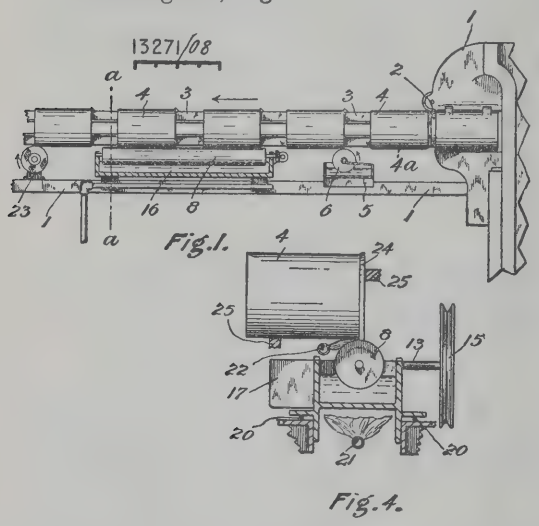
6 figures, 6 claims.

Complete Specifications Accepted—*continued.*

13,271. 14 Dec. J. J. GRIFFIN, Victoria.

Class 73.6.

Soldering can joints: Body seam is soldered and finished as can is passed from former along skeleton horn, and touching successively the flux, soldering and cleaning brush rolls; heat is applied by flame to molten bath, and can and roll respectively; end seams are soldered by rolling can between guides while contacting with soldering roll, Fig. 4.

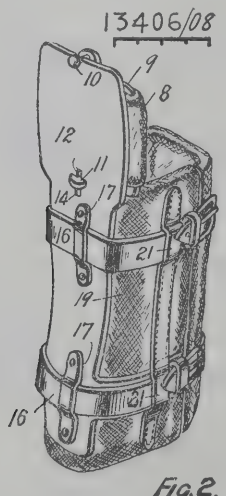


4 figures, 5 claims.

13,406. 30 Dec. J. DOUGLAS, New South Wales.

Classes 39.5; 87.3.

Dressing retainer and shield for horses' knees.

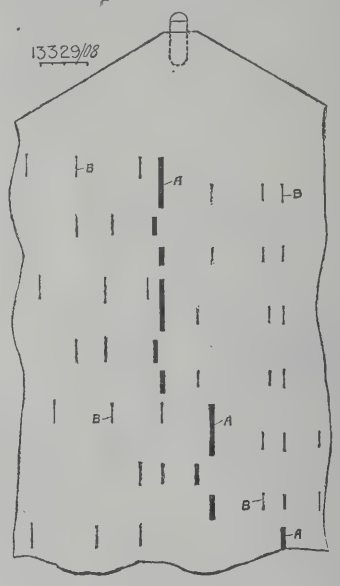


7 figures, 5 claims.

13,329. 21 Dec. H. JORDAN, New South Wales.

Class 01.6.

Tune sheet: Melody note perforations wider than accompaniment notes.

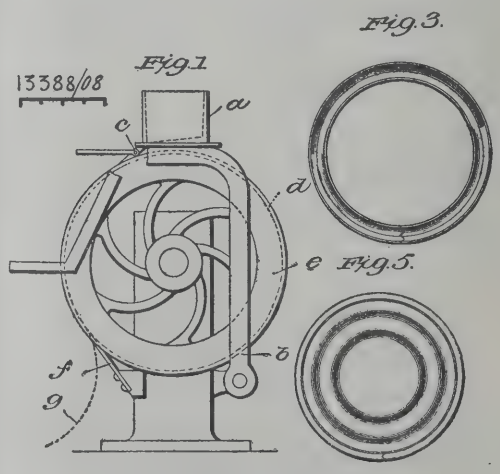


1 figure, 3 claims.

13,388. 29 Dec. G. G. TURRI (E. M. LANG, Maine, United States of America).

Classes 70.2; 73.2; 73.6.

Solder-hemmed can caps: Strip made from molten solder run in wheel groove, then shaped into a flat grooved spiral by mandrel and die, and cut to form a ring.



14 figures, 14 claims.

Complete Specifications Accepted—*continued.*

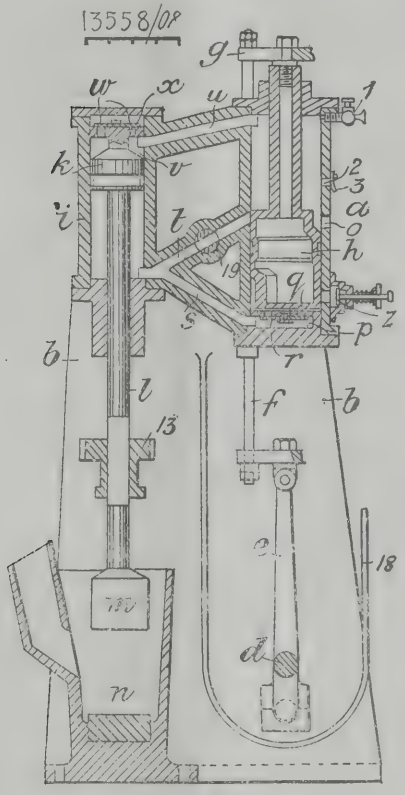
1909.

13,558. 21 Jan. D. Honeywood and G. Payne, England.

Classes 10.2 ; 65.3 ; 69.4.

Pneumatic stamper battery: Air presser, driven from main shaft, operates stamp piston ; continuous rotation of stamps by gearing from main shaft.

FIG. 4.



4 figures, 7 claims.

13,623. 27 Jan. S. Bendle, D. I. Smith, and T. B. H. Thorne, England.

Sec. 121. G.B. 4231. 25 Feb., 1908.

Classes 27.1; 87.1.

Nutritive wine: Mixture of port, sherry, &c., and hydrolysed albumin.

No drawing, 5 claims.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

13,942. Joseph TAYLOR, managing director of the Hat Manufacturer's Supply Company Limited, Chestergate, Stockport, Cheshire, Eng.,

Application under Sec. 121.

[Date applied for 8th May, 1908, being date of application in Great Britain, No. 10,005/*08*.]

"Improvements in hats and sweat bands or leathers therefor."

14,337. USINE DE DESARGENTATION SOCIÉTÉ ANONYME, Hoboken-lez-Anvers, Belgium, lead and copper smelter,

Application under Sec. 121.

[Date applied for 6th May, 1908, being date of application in Germany, No. U.3357/*08*. Application also made in Great Britain, No. 19,585/*08*, 17th Sept., 1908.]

"An improved process for eliminating lead and other impurities, such as arsenic and antimony from copper matte and copper ores and simultaneously recovering the copper as metal."

Printed Specifications Published.

Vol. 24 comprises Applications from 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 43, comprising Applications numbered from 4800 to 8599 are now complete with title pages, &c.

Vols 44 to 49 comprise Applications from 8600 to 9799; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4600, and many of higher numbers than 9800, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 266.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4300. C. M. Nielsen. *Treadle hammers.* Class 71.2.
4301. W. Anderson. *Supplying liquid fuel.* Class 23.3.
4304. T. Ferguson. *Filling bottles.* Class 27.5.
4306. C. Harper. *Food product.* Class 34.2.
4307. S. Lorden. *Sash fastener.* Class 78.7.
4311. Palmer and Webster. *Tea preparation.* Class 33.8.
4313. P. FitzGerald. *Decantation of cyanides.* Classes 12.1; 14.7.
4314. F. J. Brown. *Rifle range markers.* Class 89.5.
4315. Hillman and Holloway. *Rabbit fumigator.* Class 38.9.
4316. Hillman and Holloway. *Exploder.* Classes 38.9; 89.9.
4350. G. Schutze. *Shirt.* Class 43.3.
4351. C. E. Dingle (Turner). *Acetylene gas generator.* Class 21.85.
4358. F. L. Watson. *Rabbit trap.* Class 38.7.
4390. R. L. Morrell. *Carburetter.* Classes 21.4; 61.7.
4391. Nosworthy and Prescott. *Bottles and stoppers.* Class 57.6.
4392. The New Inverted Incandescent Gas Lamp Co. Ltd. (Bridger). *Inverted incandescent gasburner.* Class 23.5.
4393. W. Melville. *Oilcloth substitute.* Classes 47.9; 48.1.
4394. Charlton and Chapman. *Harvester.* Classes 32.2; 32.3.
4395. Gribbon and McKean. *Sash supports.* Class 78.7.
4397. H. F. Nichols. *Motor vehicle wheel.* Class 97.6.
4398. P. H. Bennetts. *Stripper comb.* Class 32.3.

1907.

9447. W. and E. Baker. *Skeleton mouldboard.* Class 30.3.
9672. The Konomax Rock Drill Syndicate Ltd. (Mauss). *Cutting machines.* Classes 65.1; 65.9; 85.4; 85.9.
9712. T. J. Heskett. *Extracting zinc.* Classes 06.8; 15.5; 15.6; 16.33; 16.6.
9725. C. G. Smith. *Cultivator and seed drill.* Classes 30.9; 31.1.
9814. J. Lavery. *Disc ploughs.* Class 30.7.
9913. F. J. McDonald. *Fat from pelts.* Class 47.2.
9935. W. Hardwick. *Horse collars.* Class 39.6.

Printed Specifications Published—*continued.*

1907.

9988. J. TRAVERS. *Wonnower.* Classes 32.3; 32.6.
10,006. J. W. DELANEY. *Animal muzzle.* Class 39.5.
10,034. T. LINDON. *Harvester combs.* Class 32.3.
10,301. W. HOOKER. *Air supply.* Class 21.4.

1908.

10,607. W. J. DUNNACHIE. *Ammonia, &c.* Classes 08.9; 09.8; 16.33; 21.1; 21.5.
10,790. A. J. ERICSSON. *Grinder.* Class 10.5.
10.860. W. HOOKER. *Primary battery.* Class 07.1.
10,885. J. LEE. *Detachable shirt collars.* Class 43.6.
10,921. T. M. TOPP. *Stamping and grinding.* Classes 10.2; 10.3.
11,126. MOLAS and DELAFON. *Generating burned gases.* Classes 16.8; 17.3; 63.6.
11,239. G. W. GREEN. *Anti-rattler for sashes.* Class 78.7.
11,277. O. V. SIGURDSSON. *Typecasting machines.* Class 50.5.
11,284. J. DORNETH. *Typograph machines.* Class 50.5.
11,294. C. W. V. MESSERSCHMIDT. *Bottle capsules.* Class 57.5.
11,307. L. PERRET. *Revolving ore screens.* Class 11.3.
11,350. W. H. APPLEBY. *Couplings.* Class 96.3.
11,392. E. J. MCDONALD. *Gold saver.* Class 11.4.
11,410. M. ANTHES and EDWIN LLOYD LIMITED. *Images on glass, &c.* Classes 19.4; 51.6; 52.6.
11,425. M. E. BLUME. *Type impressing machines.* Classes 50.0; 50.2; 50.4; 51.8; 61.5; 62.2; 70.6.
11,426. G. HAUFF. *Centrifugal pump.* Class 68.7.
11,428. P. B. CLARKE. *Handling bulk material.* Classes 59.5; 65.1; 91.8.
11,436. H. R. COGHILL. *Fumigating warrens.* Classes 38.9; 68.9.
11,454. G. TURNER. *Signalling apparatus.* Class 99.1.
11,475. BERGLUND and LINDENCRONA. *Railway car coupling.* Class 96.3.
11,478. A. VAN DER STICHELEN. *Vehicle wheel tyres.* Classes 97.6; 97.81.
11,495. G. M. BOWSER. *Hardening freestone.* Classes 18.7; 81.1.
11,505. F. J. NEWBERRY. *Washing coppers.* Classes 24.5; 25.2.
11,515. E. SCHÖNBERG. *Grinding machines.* Classes 10.1; 62.8.
11,531. PALMER and HOFFMAN. *Steam clothes presses.* Classes 25.6; 25.7.
11,534. W. G. CLARK. *Copperizing iron.* Classes 15.4; 73.1.
11,535. F. and C. SHUMAN. *Grease from wool.* Classes 25.2; 25.4.
11,555. LA V. W. NOYES. *Windmills.* Classes 60.7; 90.7.
11,559. LAMSON CONSOLIDATED STORE SERVICE CO. (AMSDEN). *Cable carrier.* Class 59.4.
11,563. J. R. BROWN. *Cane cutter.* Class 33.1.
11,565. S. M. SMITH. *Treating ores.* Classes 11.9; 12.5.
11,569. LUTTRELL and HOSCH. *Rotary pump.* Class 68.7.
11,585. W. O'CALLAGHAN. *Rimer for artesian bores.* Class 85.2.
11,590. PULLEN and PARISH. *Ventilating hats.* Class 43.8.
11,641. J. SPELTA. *Preventing rust on ship's hulls.* Class 91.2.
11,643. J. H. ALLEN. *Filling bottles.* Classes 27.5; 57.4.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page
	1907.	*30th April, 1909.*			
10,567	30 Dec.	A. Stucke	N.S.W.	Reversing gear of engines	830
	1908.	*1st May, 1909.*			
10,963	2 Mar.	A. F. Crosse	S.Af.	Extraction of gold, &c. ...	714
11,063	17 Mar.	W. J. Kent	U.S.A.	Sugar-cane cutter ...	188
11,479	14 May	H. T. Shelton ...	W.A.	Dividing bulk butter ...	393
	1907.				
11,489	*25 May	F. Burchartz	U.S.A.	Floorings	338
	1908.				
11,586	26 May	J. Wilson & A Timms ...	W.A.	Spark arrester	562
11,928	8 July	J. R. Kent	N.Z.	Shoe, &c., uppers ...	810
		4th May, 1909.			
10,784	5 Feb.	V. C. J. Nightingall ...	Vic.	Lighting, &c., gaslights ...	73
10,933	27 Feb.	W. Wass and The Trades Unionists S.S. Co-operative Soc. Ltd. ...	Eng.	Sheep shearing machine ...	150
10,968	3 Mar.	J. H. Grant	Vic.	Poisoning rabbits ...	794
10,969	3 Mar.	J. H. Grant	Vic.	Poisoning rabbits ...	794
11,005	9 Mar.	S. O. Cowper-Coles ...	Eng.	Cement	171
11,062	17 Mar.	L. G. Abrams	N.S.W.	Paint, &c., brushes ...	745
11,554	22 May	L. E. Travis	U.S.A.	Soap holders	354
11,983	15 July	J. A. Whitman (Norton)	U.S.A.	Clutch	477
12,363	2 Sept.	J. C. Preston	N.S.W.	Incandescent oil lamp ...	578
12,443	9 Sept.	J. S. McComb ...	U.S.A.	Winding flexible material	598
12,444	9 Sept.	J. S. McComb ...	U.S.A.	Winding cores	598
12,748	12 Oct.	F. Harkness	N.S.W.	Wind motors	680

* Date granted under Sec. 121.

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
8771	22 May	R. H. Clark	Vic.	Go-cart undergear ...	281
8924	10 June	C. P. Forwood (Hebbard)	N.S.W.	Vat discharging	333

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
5987 ...	Atkins, G. J.	3rd May, 1915
5989 ...	Atkins, G. J.	3rd May, 1915

1903.

7278 ...	Potter, C. V.	23rd May, 1910

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7657/5675 ...	Armstrong, J. ...	25th Apr., 1916
7728/5725 ...	Fenerfeste Industrie Gesell, m.b.H.	13th June, 1916

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Commissioner of Patents.

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MONTHLY INDEXES.

APRIL, 1909.

INDEX TO NAMES OF PERSONS
IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER
IN SPECIFICATIONS LODGED.

DESCRIPTIVE SUBJECT INDEX
TO SPECIFICATIONS OPENED TO INSPECTION.

APPLICATIONS FOR 1908 COMMENCE WITH 10,581.
APPLICATIONS FOR APRIL, 1909, Nos. 14,165 TO 14,394.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

APRIL, 1909.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Adamson, Mary	Corsets	P. 14,226
Addenbrooke, B.	Tank tap washer	P. 14,366
Aders, F.	Gear wheel	14,251
Aktie. Elektrometall	Electric furnaces	14,294
Alcock & Co. Pty. Ltd. (Alcock)	Drying timber	P. 14,184
Alkemade, P. V. L.	Reinforcing concrete	P. 14,268
Allen, H.	Ploughs, &c.	P. 14,343
Alleyn, H. M.	Furniture castors	14,374
Anderson, A.	Deodorant distributor ...	13,898
Andrew, G. E.	Sealing cans, &c.	14,384
Andrews, H. (*assignee*)	Building construction ...	11,512
Ashton, T. R. R.	Magazine rifles	14,289
Atthow, W. T.	Bottle stopper	P. 14,393
,, W. T.	Injector	P. 14,394
Aylsworth, J. W.	Duplicate phonograph records ...	14,244
Baker, A. H.	Displaying literary matter ...	13,447
,, G. P.	Churn	P. 14,277
,, T.	Railway wheel guard ...	P. 14,350
Bancroft, J. S.	Compositor's justifying mechanism	14,296
Bang, H. S.	Pad for closet seats	13,201
Bates, H. A.	Sewing machine shuttles ...	14,270
Batkin, M. T.	Aerating liquids	12,015

Name.	Subject.	Number
Batt, A. J.	Guide posts, &c.	P. 14,368
Bavay, A. J. F. de	Pneumatic tyres	P. 14,267
Beckett, S.	Portable vehicle cover ...	P. 14,284
Beckman, A. G.	Fluid pressure regulator ...	14,316
Bedford, A. J....	Fencing dropper	12,097
Behrens, G.	Gate	P. 14,354
Bell, V. C.	Tooth-brushes	14,253
Bellingham, J.	Concrete facing, &c., plates ...	14,348
Bennett, W. E.	Distilling mercury	P. 14,317
Blyth, P. McL.	Window lock	P. 14,208
Boothman, J.	Vehicle band brake	P. 14,273
Bowerbank, A. W.	Motor controller	14,261
Bowman, J.	Milking machines	11,963
Boyldew, E.	Bagfiller	P. 14,379
Boyldew, E.	Safety device for chaff-cutters ...	P. 14,345
Bradbrook, R.	Transhipping goods	P. 14,195
Bray, A.	Acetylene gas burner	14,266
Brennan, G.	Time-controlled liquid outflow ...	11,878
Brokenshire, J. J.	Treating nightsoil	P. 14,232
Brough, Harriet L.	Teapot lid holder	P. 14,369
Brown & Sons, Ltd. T. (*assignee*) ...	Trouser belt	7769
Brown, R.	Cutting channels	P. 14,326
Buck, R.	Closet seats	P. 14,281
Burkhart, C. F.	Coin controlled devices ...	14,315
Buzacott and Co. Ltd. (*assignee*)	Irrigation appliance	1302
Cameron, J. McD. (*assignee*)	Door stop	10,734
Campbell, A.	Wire strainer	12,440
,, J.	Cutting channels	P. 14,326
Canada Cycle and Motor Co. Ltd. (*assignee*)	Bicycle handle-bars	2634
Christie, N. C.	Railway air brakes	12,235
Clarke, E. (*assignee*)	Protecting mats	8869
Clarozite Mfg. Co. Ltd. (*assignee*) ...	Composition for boxes ...	5956
Clayton, T. F....	Discharging feed to mangers ...	P. 14,197
Cole, A. G.	Earth closets	14,278
,, J. F.	Ditcher, &c.	11,948
Cooper Sheep Shearing Machine Pty. Ltd. (*assignee*)	Sheep shearing machines ...	10,044
Crabb, H.	Garbage box lid	P. 14,336
Craddock, A. R.	Flooring cramp	P. 14,225
Crawford, G. W.	Cushion tyres	14,308
Crowle, H. B.	Automatic machine gun ...	P. 14,325
Danne, R. V.	Mining cage telephone ...	P. 14,258
Davey, W. L. (*assignee*)	Ventilating rooms	10,713
Davis, W. L.	Non-refillable bottle	14,175
Dean, E. A.	Hatpin protector	P. 14,334
Deane, L. D.	Coin freed machines	P. 14,177
de Bavay, A. J. F.	Pneumatic tyres	P. 14,267
De Dion Bouton Ltd. (*assignee*)	Plate clutches	3301
Deland, C. C.	Fuel for producer gas ...	P. 14,324
De Witt, G. C....	Incandescent gas mantles ...	P. 14,239
Dick, W.	Cleansing drinking glasses, &c.	14,194
Dillistones, Dr.	Blister and ointment	P. 14,224

Name.	Subject.	Number
Donald, D.	Removing fibres from wool packs, &c.	14,168
Drysdale, J.	Acetylene gas generators ...	12,273
Durham, T. C.	Razors	14,327
Egeberg, O. F.	Purifying oil	14,209
Elieson, C. P.	Electric accumulators ...	14,213
Elliot, C.	Separating, &c., stamps ...	14,259
Falkiner, R. S. (*assignee*)	Sheep shearing machines ...	9412
Fate, J. L.	Vacuum jacketed receptacles ...	14,272
Fenton, H.	Boot heels	P. 14,254
Fixter, J. R. & T.	Milking machines	P. 14,193
Flanagan, D.	Sewing machines	14,199
Floessell, W. F.	Pen holders	P. 14,231
Forrest, H.	Non-refillable bottle	14,175
Forrester, A. H.	Buttonhole renewer	12,039
Fortescue, A. J.	Connecting metal tyres ...	12,571
,, A. J.	Drain forming plough ...	P. 14,356
Frew, R. D.	Ditcher, &c.	11,948
Fryer, E. J.	Valve for water meter ...	P. 14,236
Gas Traction Co. (Hartsough)	Traction engine pilot ...	14,340
Gates, G.	Rail support, &c.	14,310
Gee, J. E. & Elizabeth	Washing, scrubbing, &c., floors	14,170
Gerard, E. G. B. (*assignee*)	Ore treatment	8502
Ges. für drahtlose Telegraphie, m.b.H. ...	Electrical oscillations ...	14,377
Getty, M.	Acetylene gas generator ...	P. 14,331
Gibb, A.	Laying concrete	14,375
-Gibson, K. Maitland-	Gas from oils, &c.	P. 14,385
Gibson, L. C.	Increasing speed of shafts ...	P. 14,360
Gillespie & Co.	Boot and shoe upper	13,033
Gilmour, J.	Ditcher, &c.	11,948
Gluyas, G. R.	Carriage springs	12,790
Goodacre, H. (*assignee*)	Hollow rubber heel	7716
Goodwin, E.	Compressed air valve ...	13,230
Gordon, W. H.	Securing bosses	P. 14,391
Green, G. W.	Vehicle wheels	12,046
,, L.	Ore treatment	14,279
Greenway, T. J.	Separation of metallic sulphides	P. 14,221
Gruin, H. A.	Window lock	P. 14,208
Hamilton, C. H.	Grinding mills	14,200
,, H. T.	Boards for wooden walls ...	P. 14,293
Hannam, W. H.	Metal venetian blinds ...	13,248
,, W. H.	Bath water heaters	P. 14,229
Hannan, J.	Rock drill	P. 14,192
Hardwick, W.	Cricket bat sleeve	P. 14,364
Hargreaves, W. A.	Iron, &c., from ore	13,278
Harper, E. A., E. G., G., & J. F. ...	Signal lamps	P. 14,319

Name.	Subject.	Number.
Harris, A. Y.	Smoke prevention	P. 14,276
Hartsough, D. M.	Traction engine pilot ...	14,340
Hedges, G. C.	Piano wrest pin	P. 14,306
Henderson, W....	Railway train brakes ...	12,235
Hermonkei, I.	Distilling mercury	P. 14,317
Hersey, S.	Filters for gas, &c.	14,174
Hicks, T. H.	Discharging feed	P. 14,197
Hocking, Amelia	Pram strap	14,362
Hodgkinson, J.	Salt production	14,302
Holman, J. H., J. M., and Mary E. C. ...	Stamp mills	14,249
Holmes, C. P.	Forming chain stitches ...	P. 14,313
Holms, W. L.	Ore treatment	14,279
Hommel, W.	Furnace	14,186
Hoover, T. J.	Ore concentration	14,196
Hopkins, E. H.	Smelting zinc ore	14,245
Howard, T. J.	Window blinds	P. 14,215
Howcroft, W. J.	Checking ships' propellers ...	11,701
,, W. J.	Regulating air	11,702
,, W. J.	Four-fork cultivator	12,052
,, W. J.	Soldering machine	12,053
Hughes, M.	Brush	P. 14,288
Humphrey, T.	Securing piano-tuning pins ...	P. 14,165
Humphries, T. A.	Draught equalizing gear ...	11,947
Hurle, J.	Milking machines	11,963
Hurst, H. E.	Wool pack clip	13,532
Hyde, G.	Extension table	14,223
Indahl, M. C.	Compositor's justifying mechanism	14,296
Ingersoll-Rand Co. (*assignee*)	Rock drill chucks	9556
Irving, W. J. L. M.	Tap	P. 14,353
Jackson, G. E.	Carpet holder	14,252
James, E. E.	Bedsteads, &c.	P. 14,347
Jarrett, H. J.	Harness chain spreaders ...	P. 14,247
Jaubert, G. F.	Regulating fuel supply ...	14,290
,, G. F.	Manufacturing salts ...	14,297
Jebb, J. T.	Shock resisting apparel ...	P. 14,304
Jenkins, J. H.	Displaying literary matter ...	13,447
,, W.	Gold saving table	P. 14,248
Jerger, J. A.	Cement-tile machines ...	12,082
Jetzinger, S.	Window show sign	P. 14,370
Jira, F.	Filter	P. 14,242
Johnson, W. D. (*assignee*)	Treating ore	8502
Johnston, G. G.	Pneumatic tyres	P. 14,263
Jones, G.	Gold saving table	P. 14,248
,, J. H.	Cycle wheel	P. 14,238
Jordan, A. E.	Collapsible packing case ...	P. 14,235
Kannuluik, J.	Securing broom handles ...	P. 14,220
Kennedy, R.	Milking machines	14,176
Kirkham, Hulett & Chandler Ltd. ...	Filters for gas, &c.	P. 14,174
Knight, G. H.	Parcel, &c., straps	P. 14,378

Name.	Subject.	Number.
Knott, G. W. (*licensee*)	Timber boring machine ...	6867
Knox, R.	Ventilating drains	14,320
Kuhn, E. W.	Fermented beverages ...	14,291
Lane, G. (*assignee*)	Building construction ...	11,512
Lange, S. G.	Turning music leaves ...	P. 14,286
Laurence, C. A.	Air compressor, &c.	P. 14,383
Lawrence, W. H.	Milking machines	14,176
Leech, W. F.	Prickly pear destroyer ...	P. 14,214
Lethbridge, H.	Shearers' flannel, &c. ...	P. 14,188
Leusch, F. M.	Cement tile machines ...	12,082
Levinson, W.	Cigarette holder	13,617
Lewis, P. J.	Wire strainer	14,359
Linotype and Mach. Ltd. (*assignee*) ...	Printing machines	10,973
,, ,, ,, (*assignee*) ...	Typographical machines ...	11,118
Livingstone, J. McI.	Cow-milking machines ...	P. 14,193
Lockly, T. B.	Carrier for vise jaw	P. 14,234
Lyell, A.	Bottle stopper	P. 14,222
Lyon, G. McC.	Rabbit, &c., trap	P. 14,167
McBride, T. J.	Puncture proof tyre ...	P. 14,172
McConnochie, Emily	Removing wrinkles, &c. ...	P. 14,180
McDonald, G.	Connecting railway rails ...	P. 14,346
,, J. A.	Earth scoop	P. 14,363
,, N. W.	Potato digger, &c.	P. 14,216
McEwen, R.	Securing corrugated iron ...	14,173
,, R.	Stoppering bottles, &c. ...	P. 14,191
McGovern, D.	Cycle pedal strap	P. 14,333
McGuire, S.	Building cleaner	P. 14,269
McIntosh, W. E.	Variegated flooring surface ...	11,939
McKay, W.	Brooms	P. 14,230
Mackie, C.	Gold from sea water	P. 14,335
McKinlay, J.	Mortar boxes	14,275
Mackintosh, T. W.	Trapping fences	P. 14,392
McLeod, D. M.	Sheep shearing machines ...	11,619
McNevin, A. J.	Cleaning gas pipes	P. 14,187
McParland, F.	Concrete facing, &c., plates ...	14,348
Maish, A.	Plant, &c., pot	P. 14,372
Maitland-Gibson, K.	Gas from oils, &c.	P. 14,385
Malley, F.	Time controlled liquid outflow	11,878
Manners, W. G.	Treating auriferous ores ...	P. 14,264
Marr, T. C.	Cardboard carton	11,842
Marshall, Sir J. H.	Automatic musical instruments ...	14,206
Martin, J. A.	Washing-troughs	P. 14,203
Mauri Bros. and Thompson Ltd. (*assignee*) ...	Portable oven	5055
Menzies, T. G.	Laying concrete	14,375
Merkley, C. G.	Metal fence droppers ...	11,857
Metals Extraction Corp. Ltd. (Hommel) ...	Furnaces	14,186
Midson, G. W.	Bottle for aerated drinks, &c. ...	14,207
Millar, F. R.	Prevention of smoke ...	P. 14,228
Miller, H. H.	Mining cage telephone ...	P. 14,258
,, J. A.	Snap lock collar, &c. ...	P. 14,352
Mills, T. A.	Tap	P. 14,353
Millson, J. B.	Portable grate	P. 14,271

Name.	Subject.	Number
Minerals Separation Ltd. (Hoover) ...	Ore-concentration	14,196
Monasch, B. and J.	Electromagnetic oscillations ...	14,303
Monotype Machine (Col. Pat.) Synd. Ltd. (Bancroft & Indahl)	Compositor's justifying mechanism	14,296
Muir, J. D., & J. H.	Musical whipping top ...	P. 14,250
Mulvena, W.	Wire strainer	12,440
Munro, J. A.	Springs for carriages, &c. ...	12,790
Murnane, C.	Friction-gear	P. 14,181
Murphy, T.	Harrows, &c.	P. 14,367
Murray, W.	Drain forming plough ...	P. 14,356
,, W. J.	Ball bearings	14,314
Nable, A.	Cleaning gas pipes	P. 14,187
Nancarrow, G. B.	Stamp mills	14,249
Nance, C. W.	Preserving food	11,987
Nash, W. St. J.	Securing piano-tuning pins ...	P. 14,165
Naylor, E.	Testing sewerage pipes ...	P. 14,351
Neighbour, A. G. L.	Compressor	P. 14,355
Nelson, A. D.	Combustion engines, &c. ...	P. 14,185
Nesbitt, Eda	Slip-bodice, &c.	P. 14,217
New Jersey Patent Co.	Duplicate phonograph records ...	14,244
Newth, W. H. D.	Throat sprayer	14,171
Newton, N.	Safety chaff-cutter	P. 14,330
Niven, H.	Self feeding chaff-cutters ...	P. 14,283
O'Beirne, H.	Securing wool, &c., bales ...	P. 14,169
O'Brien, W.	Destroying rabbits, &c. ...	P. 14,341
Ohlhaver, P. D. H.	Milking machine	14,300
,, P. D. H.	Milking machine	14,301
Ohlson, J. L.	Sewing machines	14,342
Oliver, E. L.	Vacuum filters	14,309
Osborn, S. S.	Tube mill linings	P. 14,237
O'Toole, J.	Level crossing gates	P. 14,241
Ozonair Ltd. (*assignee*)	Brewing beer	9423
Page, G.	Convertible stove	P. 14,299
Pape, H.	Reducing zinc oxide ...	14,243
Parker, A. H. J.	Windows	P. 14,380
Parsons, C. A. (*Hon.*)	Motor controller	14,261
Pattinson, J. S.	Ore treatment	14,279
Pedlar, G. H.	Interlocking shingles ...	14,305
Perrett, B. J.	Combination tool	P. 14,189
Phillips, E.	Electrical oscillations ...	14,377
Phipps, P.	Forming angles on strip metal ...	P. 14,344
Phizackerley, I.	Motor car bodies	12,007
Piesse, F. E.	Rifle sights	11,599
Pond, M.	Trousers side strap	P. 14,358
Ponninghaus, W. B. D.	Feeding boilers	11,694
Poole, G.	Applying paste to wall-papers, &c.	P. 14,179
Porter, A. W.	Vapour gas engines	P. 14,307
Potts, C.	Tank tap washer	P. 14,366

Name.	Subject.	Number.
Powers Railway S.A. Co. (Powers) ...	Railway train brakes	14,332
Price, P.	Metal fence droppers ...	11,857
Prosper, W.	Distributing, &c., lubricator ...	P. 14,205
Quertier, H.	Seat, &c., indicator	P. 14,371
Ramsden, P.	Closet seats	P. 14,281
Rankine, J. B.	Axle greasing device ...	P. 14,227
Reeves, A. E.	Two wheel roller skate ...	11,981
Reilly, J. F.	Jumpers for picks	P. 14,201
,, J. J.	Rabbit, &c., proof fence ...	P. 14,390
Restler, J. W.	Covers for water pipe, &c., cocks	14,212
Richardson, J.	Destroying rabbits, &c. ...	P. 14,341
Ringstad, H. S.	Glass bottle smoothing ...	14,257
Roark, E. B.	Valve for water meter ...	P. 14,236
Robbins, A.	Vapour gas engines	P. 14,307
Robertson, A. B. and A. M.	Milking machines	11,963
,, J. P.	Match boxes	P. 14,233
,, P. L.	Screw manufacture	14,311
Robinson, J.	Collapsible packing case ...	P. 14,235
Rolfe, H. C. L'O.	Fencing dropper	12,097
,, H. C. L'O.	Fence post	P. 14,357
Roseman, S. G.	Securing broom handles ...	P. 14,381
Ross, H.	Lever-jacks	P. 14,339
Roubinowitch, A.	Surgical, &c., tables	14,361
Rowe, W. F.	Smoke prevention	P. 14,276
Royston, E. R....	Stamping machinery	14,204
Rule, C. E.	Folding back rest	P. 14,295
Safety Tire Co. (Crawford)	Cushion tyres	14,308
Sandycroft Foundry Co. Ltd. (McKinley) ...	Mortar boxes	14,275
Sawyer, C. H.	Gripping device	P. 14,387
,, C. H.	Displaying advertisements, &c.	P. 14,388
,, C. H.	Limber-pin for skips	P. 14,389
Schauermann, F. L.	Non-refillable bottles ...	14,274
Scott, W.	Flooring cramp	P. 14,225
Seep, J. (*assignee*)	Ore roasting	8961
Shaw, L. H.	Heel building	P. 14,312
Sheard, J.	Miner's candle holder, &c. ...	14,282
Shoemaker, F.	Operating doors	14,256
Silver, W.	Driving gear for shearing machines	P. 14,280
Slee, E. S.	Street cleaning	P. 14,183
Smith, A. R.	Outdoor sleeping compartment ...	P. 14,198
,, F.	Spring jump attachment for scarifiers	P. 14,260
,, W. H.	Automatic musical instruments ...	14,206
Snart, E.	Mixing poison ingredients ...	P. 14,285
Sollitt, G.	Venetian blinds	14,166
Somerville, G.	Gang ploughs	11,995
Spargo, E. E.	Holding, &c., hand rock drills	P. 14,292
Stacey, R. D.	Rock drilling machines ...	13,476

Name.	Subject.	Number.
Stevens, C. A.	Extracting metal from ore ...	14,329
Stewart, W. J.	Reinforced concrete piling ...	14,298
Storer, J.	Incandescent gas mantles ...	P. 14,239
Sutherland, J. McK.	Opening, &c., gates	11,901
Syvret, J.	Closets	14,386
Taylor, A. B.	Radial pig trough	13,232
,, F.	Stop key	14,218
,, F.	Pedal couplers	14,219
,, R.	Floors and roofs	P. 14,373
Thomas, C. V.	Stamp mills	14,249
,, R. G.	Rock drill valves	P. 14,255
Thompson, A. G.	Blister and ointment ...	P. 14,224
,, A. G.	Football fastener	P. 14,376
Thygesen, C.	Hoisting gear, &c.	14,246
Tomkins, J. G. & V.	Resilient heel	13,283
Tomlinson, L.	Window lock	P. 14,208
Tremayne, P.	Street cleaning	P. 14,183
Trengrive, W. H.	Motors	14,323
Tripp, E. A.	Heel building	P. 14,312
Troy, J.	Sanitary pans, &c.	14,210
Turri, G. G. (Royston)	Stamping machinery	14,204
Tyree, A.	Heel stiffener	14,322
,, & Co. Ltd., A.	Football boot	14,321
Un. Shoe Mach. Co. (Tripp & Shaw) ...	Heel building	P. 14,312
Usine de Des. Soc. Anonyme	Purifying copper ores ...	14,337
Vacuum Insulating Co. of America (Fate) ...	Vacuum jacketed receptacles ...	14,272
Walcutt, J. M.	Packages for razor blades ...	14,328
Wall, R.	Explosive alarm	P. 14,265
Walpole, F. & F.	Boot and shoe upper	13,033
Walter, W. R.	Bedsteads, &c.	P. 14,347
Warner, T.	Securing broom handles ...	P. 14,220
Warren, R. J.	Destroying prickly pear ...	P. 14,287
Wasserman, J. C.	Window show sign	P. 14,370
Wastall, A.	Fireless cooking chamber ...	14,349
Watkinson, A.	Clamping covers	P. 14,182
Weiss, F. H.	Cleansing drinking glasses, &c.	14,194
Wells, J. E.	Umbrella holder for go-carts ...	12,032
Wells, J. E.	Garden sprinklers	P. 14,365
Westmoreland, H. A.	Droppers and standards ...	14,202
White, R. T.	Stump-jump plough	11,745
Willcoxson, W. (*assignee*)	Ore treatment	8502
Williams, D. & J. G. W.	Fumigator	P. 14,382
Wilson, J.	Gang ploughs	11,995
,, R.	Hunting and killing rabbits, &c.	P. 14,178
Winslow, S. W.	Forming chain stitches ...	P. 14,313
Witt, G. C. de	Incandescent gas mantles ...	P. 14,239

Name.	Subject.	Number.
Wohlwill, H.	Refining gold	14,318
Woodhouse, A.	Vermin proof fence	P. 14,262
,, C. H.	Ascertaining point of compass ...	P. 14,338
Wright, O.	Destroying tree stumps ...	P. 14,211
Younkman, S.	Measuring funnel	P. 14,240
Yourelle, T. I.	Concrete facing, &c., plates ...	14,348
Youren, F. E.	Train coupling	P. 14,190
"Z" Electric Lamp Mfg. Co. Ltd. (*assignee*)	Electric lamp filaments ...	9677
,, ,, ,, ,, (*assignee*)	Electric lamp filaments ...	10,022

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

APRIL, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.5	Ascertaining point of compass in northern or southern hemisphere...	Woodhouse	P. 14,338
	Group 01.—Acoustics.		
01.2	Securing tuning pins in wrest plank	Humphrey	P. 14,165
01.2	Piano wrest pin in iron frame	Hedges	P. 14,306
01.6	Musical instruments. (04.3; 04.7)	Smith	14,206
01.6	Pneumatic ad libitum stop key for combination of stops in pipe organs	Taylor	14.218
01.6	Rotary disk valve for controlling pedal couplers in pipe organs ...	Taylor	14,219
01.7	Composition for duplicate phonograph records	Aylsworth	14,244
01.8	Music leaf turner	Lange	P. 14,286
	Group 04.—Electric Apparatus.		
04.3	Musical instruments. (01.6; 04.7)	Smith	14,206
04.7	Musical instruments. (01.6; 04.3)	Smith	14,206
	Group 05.—Telegraphy and Telephony.		
05.5	Phase displaced electromagnetic oscillations	Monash	14,303
05.5	Producing rapid electric oscillations		14,377

Class.	Title.	Name.	Number.
	Group 06.—Electric Lamps.		
06.8	Electric furnaces. (16.33.) (Section 121. Sweden/*08*) ...		14,294
	Group 07.—Electrolysis and Batteries.		
07.3	Electric accumulators	Elieson	14,213
07.6	Refining gold	Wohlwill	14,318
	Group 08.—Mineral Chemistry.		
08.1	Salts from peroxides. (08.9.) (Section 121. France/*08*) ...	Jaubert	14,297
08.1	Salt by evaporating liquids from brine, &c. (28.5)	Hodgkinson	14,302
08.9	Salts from peroxides. (08.1.) (Section 121. France/*08*) ...	Jaubert	14,297
	Group 10.—Crushing and Grinding.		
10.1	Securing bosses on shafts	Gordon	P. 14,391
10.2	Pneumatic devices for stampers	Royston	14,204
10.2	Ore stamp mills	Holman	14,249
10.2	Stamp mill mortar boxes	McKinlay	14,275
10.3	Grinding mills	Hamilton	14,200
10.3	Tube mill linings	Osborn	P. 14,237
10.7	Chaff cutter feeder	Niven	P. 14,283
10.7	Chaff cutter feeder to prevent accidents	Newton	P. 14,330
10.7	Safety appliance for chaff cutters	Boyldew	P. 14,345
10.8	Mixing vermin poisons	Snart	P. 14,285
	Group 11.—Mech. and Elec. Separation.		
11.4	Gold and tin saving shaking table	Jones	P. 14,248
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Ore concentrating. (12.5)	Hoover	14,196
12.1	Separating solids from liquids. (14.7)	Holms	14,279
12.5	Ore concentrating. (12.1)	Hoover	14,196
12.5	Sulphides from ores	Greenway	P. 14,221
	Group 14.—Leaching Metallurgy.		
14.1	Treating ores	Manners	P. 14,264
14.1	Gold from sea water	Mackie	P. 14,335
14.7	Separating liquids from solids. (12.1)	Holms	14,279
	Group 15.—Metallurgy in Furnaces.		
15.1	Preparation of zinc oxide for reduction	Pape	14,243
15.1	Eliminating lead, arsenic, &c., from matte and recovering copper. (15.4.) (Section 121. Germany U.3357/*08*)		14,337
15.2	Iron or steel direct from ore	Hargreaves	13,278
15.4	Extracting metals. (16.2)	Collins	14,329
15.4	Eliminating lead, arsenic, &c., from matte and recovering copper. (15.1.) (Section 121. Germany U.3357/*08*)		14,337
15.6	Smelting zinc ores, &c. (16.2)	Hopkins	14,245

Class	Title.	Name.	Number.
	Group 16.—Furnaces.		
16.2	Smelting zinc ores, &c. (15.6)	Hopkins	14,245
16.2	Distilling mercury from gold amalgam	Bennett	P. 14,317
16.2	Extracting metals. (15.4)	Collins	14,329
16.33	Furnaces for volatile metals	Hommel	14,186
16.33	Electric furnaces. (06.8.) (Section 121. Sweden/*08*) ...		14,294
16.8	Door operating	Shoemaker	14,256
	Group 17.—Chimneys, Fumes, Smoke.		
17.4	Gas filters. (21.5) (Section 121. G.B. 9384/*08*)	Hersey	14,174
17.7	Preventing smoke in boiler furnaces	Millar	P. 14,228
17.7	Smoke preventing in boiler furnaces	Rowe	P. 14,276
	Group 18.—Stones, Cement, &c.		
18.5	Cement tile making machines	Leusch	12,082
18.7	Composition for variegated floors	McIntosh	11,939
	Group 19.—Glass and Ceramics.		
19.6	Glass bottle smoothing machine	Ringstad	14,257
	Group 20.—Solid and Liquid Fuel.		
20.2	Fuel from jarrah timber for generating producer gas. (21.1) ...	Deland	P. 14,324
	Group 21.—Gas for Light and Heat.		
21.1	Fuel from jarrah timber for generating producer gas. (20.2) ...	Deland	P. 14,324
21.4	Gas from oils	M.-Gibson	P. 14,385
21.5	Gas filters. (17.4) (Section 121. G.B. 9384/*08*)	Hersey	14,174
21.6	Cleaning gas pipes	McNevin	P. 14,187
21.80	Acetylene gas generator	Getty	P. 14,331
21.89	Acetylene gas generators	Drysdale	12,273
	Group 22.—Candles and Lamps.		
22.1	Miner's candle holder and saver	Sheard	P. 14,282
22.4	Tap for metal vessels	Irving	P. 14,353
22.5	Acetylene gas burners. (Section 121. G.B. 20,076/*08*)	Bray	14,266
22.5	Fluid pressure regulator. (61.7)	Beckman	14,316
22.5	Hand signalling lamps	Harper	P. 14,319
	Group 23.—Bunsen and Incand. Burners.		
23.5	Minimizing gas consumption in mantle lamps	Storer	P. 14,239
	Group 24.—Domestic Heating; Cooking.		
24.2	Portable gate	Millson	P. 14,271
24.2	Convertible gas or coal stove...	Page	P. 14,290
24.5	Bath water heater	Hannam	P. 14,229
24.5	Fireless cooking chamber	Wastall	14,349
24.7	Safe position for teapot lids for pouring	Brough	P. 14,369

Class	Title.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes.		
25.2	Attachment for washing troughs	Martin	P. 14,203
25.5	Washing, &c., floors	Gee	14,170
25.5	Cleansing drinking glasses, &c.	Weiss	14,194
25.8	Securing handles to brooms	Warner	P. 14,220
25.8	Brooms	McKay	P. 14,230
25.8	Brush	Hughes	P. 14,288
25.8	Securing broom handles in heads	Roseman	P. 14,381
	Group 27.—Beverages.		
27.1	Fermented beverages	Kuhn	14,291
27.3	Aerating liquids	Batkin	12,015
	Group 28.—Distillation and Filtration.		
28.1	Purifying oil	Egeberg	14.209
28.2	Endless travelling table filter	Jira	P. 14,242
28.2	Continuous vacuum filters	Oliver	14,309
28.5	Salt by evaporating liquids from brine, &c. (08.1)	Hodgkinson	14,302
	Group 29.—Refrigeration.		
29.7	Vacuum jacketed vessels. (57.8; 57.9)	Fate	14,272
	Group 30.—Ploughing.		
30.2	Destroying tree stumps	Grazier	P. 14,211
30.3	Regulating draught of stump-jump ploughs	White	11,745
30.3	Gang plough guiding attachment	Wilson	11,995
30.3	Ploughs or cultivators	Allen	P. 14,343
30.9	Spring stump attachment to scarifiers	Smith	P. 14,260
	Group 31.—Cultivation.		
31.1	Four fork cultivator. (31.2)...	Howcroft	12,052
31.2	Four fork cultivator. (31.1)	Howcroft	12,052
31.2	Harrows, &c.	Murphy	P. 14,367
31.4	Vessel for plant roots	Maish	P. 14,372
31.5	Prickly pear destroyer	Leech	P. 14,214
31.5	Prickly pear destroying powder. (87.1)	Warren	P. 14,287
31.9	Holder for garden sprinklers	Wells	P. 14,365
	Group 32.—Harvesting.		
32.7	Potato digger and grader	McDonald	P. 14,216
	Group 33.—Tropiculture.		
33.1	Cane grab and hoisting gear. (59.1)	Thygesen	14,246
33.5	Cardboard box or carton. (48.5)	Marr	11,842
33.5	Cigarette holder	Levinson	13,617
33.5	Secret locking match boxes	Robertson	P. 14,233

Class.	Title.	Name.	Number.
	Group 35.—Meat Food.		
35·3	Preserving and storing comestibles. (35·7; 35·9; 57·2) ...	Nance	11,987
35·7	Preserving and storing comestibles. (35·3; 35·9; 57·2) ...	Nance	11,987
35·9	Preserving and storing comestibles. (35·3; 35·7; 57·2) ...	Nance	11,987
	Group 36.—Dairy Food.		
36.1	Milking machines	Robertson	11,963
36.1	Milking machines. (69.4)	Kennedy	14,176
36.1	Release for cow milking machines	Fixter	P. 14,193
36.1	Milking machines	Ohlhaver	14,300
36.1	Milking machines	Ohlhaver	14,301
36.6	Churn	Baker	P. 14,277
	Group 37.—Pastoral.		
37.1	Radial pig trough	Taylor	13,232
37.6	Sheep shears	McLeod	11,619
37.6	Overhead friction driving gear for shearing machines	Silver	P. 14,280
	Group 38.—Fowling; Fishing; Trapping.		
38.6	Rabbit traps	Lyon	P. 14,167
38.6	Trapping fences	Macintosh	P. 14,392
38.9	Destroying rabbits, &c.	Wilson	P. 14,178
38.9	Destroying rabbits, &c.	O'Brien	P. 14,341
	Group 39.—Harness; Animal Power.		
39.3	Discharging feed to mangers	Hicks	P. 14,197
39.6	Spreaders for harness chains	Jarrett	P. 14,247
	Group 42.—Sewing.		
42.3	Two reel sewing machines. (Sec. 121. G.B. 9336/08) ...	Flanagan	14,199
42.3	Sewing machine shuttles	Bates	14,270
42.3	Connecting rod for sewing machine needle bar frames... ...	Ohlson	14,342
42.7	Chain stitch forming machine. (44.5)	Holmes	P. 14,313
	Group 43.—Wearing Apparel.		
43.1	Buttonhole renewer	Forrester	12,039
43.3	Flannel and vest	Lethbridge	P. 14,188
43.3	Slip bodice and dress preserver	Nesbitt	P. 14,217
43.3	Corsets	Adamson	P. 14,226
43.3	Trousers side strap	Pond	P. 14,358
43.7	Removing wrinkles, &c., from face	McConnochie	P. 14,180
43.7	Tooth brushes	Bell	14,253
43.7	Razors. (76.1)	Durham	14,327
43.8	Hatpin protector	Dean	P. 14,334
43.9	Detachable snap lock stud	Miller	P. 14,352
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Boot upper	Walpole	13,033
44.1	Football boot. (44.3)	Tyree	14,321
44.1	Heel stiffener for goloshes	Tyree	14,322
44.3	Resilient boot heel	Tomkins	13,283

Class	Title.	Name.	Number.
	Group 44.—Boots and Shoes; Umbrellas—*continued.*		
44.3	Boot, &c., heels	Fenton	P. 14,254
44.3	Football boot. (44.1)	Tyree	14,321
44.5	Heel building machines	Tripp	P. 14,312
44.5	Chain stitch forming machine. (42.7)	Holmes	P. 14,313
44.8	Umbrella holder for vehicles, &c. (93.2)	Wells	12,032
	Group 45.—Furniture.		
45.1	Folding back rest	Rule	P. 14,295
45.2	Bedsteads	James	P. 14,347
45.2	Surgical tables. (87.4.) (Sec. 121. France/08)	Roubinowitch	14,361
45.3	Extension table	Hyde	14,223
45.7	Metal slat venetian blinds	Hannam	13,248
45.7	Venetian blinds	Sollitt	14,166
	Group 46.—Upholstery.		
46.4	Carpet and matting holder	Jackson	14,252
46.6	Window blinds	Howard	P. 14,215
	Group 48.—Paper; Bookbinding.		
48.5	Cardboard box or carton. (33.5)	Marr	11,842
	Group 49.—Clerical; Scholastic; Artistic.		
49.1	Pen holders	Floessell	P. 14,231
49.1	Packages for razor blades. (76.1)	Walcutt	14,328
	Group 50.—Typographic Printing.		
50.3	Justifying gear for pattern controlled composing machines. (50.5)	Bancroft	14,296
50.5	Justifying gear for pattern controlled composing machines. (50.3)	Bancroft	14,296
	Group 53.—Amusements.		
53.1	Football fastener	Thompson	P. 14,376
53.2	Hide sleeve for cricket bats	Hardwick	P. 14,364
53.3	Shock resisting apparel for jockeys	Jebb	P. 14,304
53.9	Reversible musical whipping top	Muir	P. 14,250
	Group 54.—Commerce.		
54.1	Presenting to view illustrated and literary matter, &c.	Jenkins	13,447
54.1	Advertising finger and guide posts	Batt	P. 14,368
54.1	Revolving, advertising and window sign	Jetzinger	P. 14,370
54.1	Seat, berth, &c., order, &c., indicator	Quertier	P. 14,371
54.1	Displaying advertisements	Sawyer	P. 14,388
54.3	Separating and affixing stamps	Elliot	14,259
	Group 55.—Money.		
55.7	Coin-freed machines	Deane	P. 14,177
55.7	Coin-controlled devices	Burkhart	14,315

Class	Title.	Name.	Number.
	Group 56.—Counting, Measuring, Weighing.		
56.5	Valve for positive water meter. (83.9)	Fryer	P. 14,236
56.6	Water saver for testing pipes	Naylor	P. 14,351
	Group 57.—Packing, Compressing, Bottling.		
57.1	Removing loose fibres from wool packs	Donald	14,168
57.1	Bale fastener	O'Beirne	P. 14,169
57.2	Preserving and storing comestibles. (35.3; 35.7; 35.9)	Nance	11,987
57.2	Collapsible wood packing case	Jordan	P. 14,235
57.3	Fastening clip for wool pack caps. (78.1)	Hurst	13,532
57.4	Measuring funnel	Younkman	P. 14,240
57.4	Dumper non-tearing bag filler	Boylden	P. 14,379
57.5	Bottle stoppers	McEwen	P. 13,191
57.5	Bottle for aerated drinks	Midson	14,207
57.5	Jointing material for cans	Andrew	14,384
57.5	Bottle stoppers	Atthow	P. 14,393
57.6	Non-refillable bottle	Forrest	14,175
57.6	Stopper to prevent refilling of bottles	Lyell	P. 14,222
57.6	Non-refillable bottles	Schauermann	14,274
57.8	Vacuum jacketed vessels. (29.7; 57.9)	Fate	14,272
57.8	Strap for parcels and baskets	Knight	P. 14,378
57.9	Vacuum jacketed vessels. (29.7; 57.8)	Fate	14,272
	Group 58.—Chains, Ropes, Wire.		
58.3	Wire strainer	Mulvena	12,440
58.3	Wire strainer	Lewis	14,359
	Group 59.—Conveying and Lifting.		
59.1	Cane grab and hoisting gear. (33.1)	Thygesen	14,246
59.1	Lever jacks	Ross	P. 14,339
59.2	Limber pin for mining skips, &c.	Sawyer	P. 14,389
59.9	Apparatus for laying concrete	Gibb	14,375
	Group 60.—Mechanism; Lubrication.		
60.2	Gear wheel of variable diameter	Aders	14,251
60.2	Rotating pin and slot for increasing, &c., speed of shafts	Coomber	P. 14,360
60.8	Ball bearings	Murray	14,314
60.9	Distributing and filtering lubricator	Prosper	P. 14,205
60.9	Axle greaser. (93.3)	Rankine	P. 14,227
	Group 61.—Governors.		
61.7	Compressed air isolating valve. (74.7; 96.6)	Goodwin	13,230
61.7	Fluid motor control. (61.9)	Parsons	14,261
61.7	Fluid pressure regulator. (22.5)	Beckman	14,316
61.9	Fluid motor control. (61.7)	Parsons	14,261
	Group 63.—Steam Power.		
63.2	Boiler feeder	Ponninghaus	11,694
	Group 65.—Reciprocating Motors.		
65.3	Valve for rock drills	Thomas	P. 14,255

Class.	Title.	Name.	Number.
	Group 66.—Gas and Oil Engines.		
66.2	Vapour gas engines. (66.5)	Robbins	P. 14,307
66.2	Motors	Trengrive	14,323
66.5	Heating water, silencing exhaust, &c.	Nelson	P. 14,185
66.5	Regulating fuel supply to closed cycle heat engines	Jaubert	14,290
66.5	Vapour gas engines. (66.2)	Robbins	P. 14,307
	Group 68.—Pumps for Liquids.		
68.9	Throat sprayer. (87.2)	Newth	14,171
	Group 69.—Blowers and Compressors.		
69.4	Regulating hot and cold air. (81.6)	Howcroft	11,702
69.4	Milking machines. (36.1)	Kennedy	14,176
69.4	Direct acting compressor. (97.85)	Neighbour	P. 14,355
69.4	Air compressor or tyre inflator. (97.85)	Laurence	P. 14,383
	Group 71.—Forging, Rolling, &c.		
71.5	Screws. (78.3)	Robertson	14,311
71.5	Forming rigid angles on metal plates, &c. (73.2)	Phipps	P. 14,344
	Group 73.—Sheet Metal Work.		
73.2	Forming metal fencing droppers, &c.	Price	11,857
73.2	Forming rigid angles on metal plates, &c.	Phipps	P. 14,344
73.6	Reversible soldering machine	Howcroft	12,053
	Group 74.—Pipes and Fittings.		
74.7	Compressed air isolating valve. (61.7 ; 96.6)	Goodwin	13,230
74.8	Washer for tank and pipe connexions	Addenbrooke	P. 14,366
	Group 75.—Abrading and Polishing.		
75.8	Mechanical building cleaner	McGuire	P. 14,269
	Group 76.—Cutlery; Plate.		
76.1	Razors. (43.7)	Durham	14,327
76.1	Packages for razor blades. (49.1)	Walcutt	14,328
	Group 78.—Structural Hardware.		
78.1	Fastening clip for wool pack caps. (57.3)	Hurst	13,532
78.2	Gripping device for suspending articles	Sawyer	P. 14,387
78.3	Securing corrugated iron	McEwen	14,173
78.3	Screws. (71.5)	Robertson	14,311
78.6	Furniture castors	Alleyn	P. 14,374
78.7	Locking window sashes	Tomlinson	P. 14,208
78.7	Windows	Parker	P. 14,380
	Group 79.—Paints, Adhesives, &c.		
79.4	Applying adhesive paste to wall papers	Poole	P. 14,179

Class	Title.	Name.	Number.
	Group 80.—Carpentry.		
80.1	Drying timber by electricity	Alcock	P. 14,184
80.3	Combination tool	Perrett	P. 14,189
80.3	Floor cramp	Craddock	P. 14,225
80.3	Revolving carrier for vice jaw	Lockley	P. 14,234
	Group 81.—Buildings, Streets, Fencing.		
81.1	Facing and lining plates of ferro-concrete structures. (81.2) ...	Yourelle	14,348
81.2	Forming and joining metal work for reinforcing concrete ...	Alkemade	P. 14,268
81.2	Reinforced piling, columns, &c.	Stewart	14,298
81.2	Rail support and fastener. (98.4)	Gates	14,310
81.2	Facing and lining plates for ferro-concrete structures. (81.1) ...	Yourelle	14,348
81.2	Concrete floors or roofs	Taylor	P. 14,373
81.3	Portable sleeping compartment	Smith	P. 14,198
81.3	Boards for walls of wooden buildings	Hamilton	P. 14,293
81.4	Interlocking metallic shingles	Pedlar	14,305
81.6	Regulating hot and cold air. (69.4)	Howcroft	11,702
81.8	Fence dropper	Bedford	12,097
81.8	Droppers and standards	Westmoreland	14,202
81.8	Vermin proof fence	Woodhouse	P. 14,262
81.8	Metal post for wire fences	Rolfe	P. 14,357
81.8	Reinforced block walling and barbed wire fence	Reilly	P. 14,390
81.9	Operating gates	McKay	11,901
81.9	Operating gates	Behrens	P. 14,354
	Group 83.—Waterworks.		
83.7	Street boxes or covers for service cocks	Restler	14,212
83.9	Valve for positive water meter. (56.5)	Fryer	P. 14,236
	Group 84.—Excavation and Dredging.		
84.1	Jumpers and picks	Reilly	P. 14,201
84.3	Ditcher, dyker and grader	Frew	11,948
84.3	Cutting and excavating channels	Brown	P. 14,326
84.3	Drain forming plough	Fortescue	P. 14,356
84.3	Earth scoop	McDonald	P. 14,363
	Group 85.—Mining.		
85.4	Rock drill	Hannan	P. 14,192
85.8	Twin basin jacket for rock drills	Stacey	13,476
85.8	Holding and operating hand rock drills	Spargo	P. 14,292
	Group 86.—Sanitation.		
86.2	Time control of liquid outflow	Malley	11,878
86.2	Deodorant distributor	Anderson	13,898
86.2	Fumigator for ships and buildings	Williams	P. 14,382
86.3	Clamping covers on closet, &c., pans	Watkinson	P. 14,182
86.3	Sanitary pans, refuse tins, &c.	Troy	14,210
86.3	Earth closets or privies	Cole	14,278
86.3	Closet seat	Buck	P. 14,281
86.3	Lid for garbage box	Crabb	P. 14,336
86.3	Closets	Syvret	14,386

Class.	Title.	Name.	Number.
	Group 86.—Sanitation—*continued.*		
86.4	Air inlet for drains. (Section 85, *see* 11,462/*08*)	Knox	14,320
86.5	Street cleaning machine	Slee P.	14,183
86.7	Treating nightsoil or sewage	Brokenshire P.	14,232
86.8	Sanitary pad for closet seats...	Bang	13,201
	Group 87.—Medicine.		
87.1	Blister and ointment	Dillistine P.	14,224
87.1	Prickly pear destroying powder. (31.5)	Warren P.	14,287
87.2	Throat sprayer. (68.9)	Newth	14,171
87.2	Injector for human use	Atthow P.	14,394
87.4	Surgical tables. (45.2.) (Section 121. France/*08*)	Roubinowitch	14,361
	Group 88.—Salvage, Accidents.		
88.9	Railway wheel guard	Baker P.	14,350
	Group 89.—War.		
89.3	Magazine rifles	Ashton	14,289
89.3	Machine gun and carriage	Crowle P.	14,325
89.5	Rifle sights	Piesse	11,599
89.6	Trip explosive alarm	Wall P.	14,265
	Group 92.—Marine Propulsion.		
92.2	Checking ship's propeller	Howcroft	11,701
	Group 93.—Road Vehicles.		
93.2	Detachable body attachments of motor cars	Phizackerley	12,007
93.2	Umbrella holder for vehicles. (44.8)	Wells	12,032
93.2	Vehicle cover	Beckett P.	14,284
93.2	Safety pram strap	Hocking	14,362
93.3	Vehicle springs	Munro	12,790
93.3	Axle greaser. (60.9)	Rankine P.	14,227
93.3	Vehicle band brake	Boothman P.	14,273
93.4	Connecting metal tyre ends	Fortescue	12,571
93.7	Draught equalizing gear	Humphreys	11,947
	Group 94.—Cycles.		
94.1	Two wheel roller skate	Reeves	11,981
94.9	Cycle pedal strap	McGovern P.	14,333
	Group 95.—Locomobiles.		
95.7	Pilot for traction engines	Hatsough	14,340
95.9	Friction gear for motor vehicles	Murnane P.	14,181
	Group 96.—Rolling Stock.		
96.3	Railway car coupling	Youren P.	14,190
96.6	Railway air brakes...	Christie	12,235
96.6	Compressed air isolating valve. (61.7; 74.7)	Goodwin	13,230
96.6	Railway air brakes...	Powers	14,332

Class.	Title.	Name.	Number.
	Group 97.—Wheels.		
97.4	Tension spoke wheels for vehicles	Jones	P. 14,238
97.6	Road vehicle wheels	Green	12,046
97.81	Cushion tyres	Crawford	14,308
97.83	Puncture proof pneumatic tyre, &c.	McBride	P. 14,172
97.83	Pneumatic tyres	de Bavay	P. 14,267
97.85	Direct acting compressor. (69.4)	Neighbour	P. 14,355
97.85	Air compressor or tyre inflator. (69.4)	Laurence	P. 14,383
97.89	Pneumatic tyres	Johnston	P. 14,263
	Group 98.—Permanent Way.		
98.1	Connecting railway rails	McDonald	P. 14,346
98.2	Level crossing gates	Toole	P. 14,241
98.4	Rail support and fastener. (81.2)	Gates	14,310
98.6	Transhipping goods at break-of-gauge	Bradbrook	P. 14,195
	Group 99.—Signalling.		
99.8	Mining cage telephone system	Danne	P. 14,258

DESCRIPTIVE SUBJECT INDEX

TO SPECIFICATIONS OPENED TO INSPECTION.

APRIL, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The numbers stated in parentheses after the subject indicate classes in which entries have also been made.

Applications under Section 121 are indexed at the stage at which they become open to public inspection.

Class.	Subject.	Name.	Number.
	Group 00.—Science.		
00.1	Electric motor-pendulums, &c.; use of condenser to eliminate sparking at contacts. (02.8; 04.3)	Larsson	12,932
00.1	Sundials; equatorial mountings, &c.; indicating mean solar time, &c.; several designs	Homan	13,031
00.4	Double half-disk shutters for Morse signal lamp. (99.6)	Sundercombe	11,374
00.4	Combination of hinged mirror with bubble tube of carpenters' or builders' levels. (Sec. 121. N.Z. 24,258/*08*)	Austin	14,075
00.7	Multiple thermometric air cylinders with non-return valves connected to mercury contacts, for fire alarm. (04.3; 88.2)	Allan	12,977
00.7	Thermopile; radial couples imbedded in plaster, for fire alarm. (99.7.) (Sec. 121. N.Z. 24,249/*08*)	Reichel	13,194
	Group 01.—Acoustics.		
01.2	Shouldered conical wrest-pin held in metal socket by head of a parallel retaining screw	Leola	13,098
01.7	Continuous alternating operation of two phonographs, &c., by electrically controlled couplings (*as* 11,983/*08*). (62.8)	Norton	11,984
01.7	Rectangular wooden amplifying horn; diverging partitions	English	12,943
	Group 02.—Dynamo Electric Machinery.		
02.8	Electro-magnetic motor-pendulum operated by condenser charge and discharge currents on D.C. circuits. (00.1; 04.3)	Larsson	12,932
	Group 04.—Electric Apparatus.		
04.3	Ratchet-operated commutator for electrically lighting up street gas lamps. (22.8)	Nightingall	11,526
04.3	Eliminating sparking at electric contacts in scientific apparatus, &c., by condensers. (00.1; 02.8)	Larsson	12,932
04.3	Double terminals in pocket of mercury tube apparatus, to maintain bell circuit after fall of main mercury column. (00.7; 88.2)	Allan	12,977

Class.	Subject.	Name.	Number.
	Group 05.—Telegraphy and Telephony.		
05.5	Radio-telegraphy using horizontal antennæ; diagrams; 6 schemes of apparatus. (Sec. 121. U.S.A. Ser. No. 424,372/*08*)	Fessenden	13,703
05.6	Telephone enclosed in sound-proof desk cabinet; pneumatic pad around face opening	Goodrich	12,867
	Group 06.—Electric Lamps.		
06.7	Heating wax pot with resistance coils in tubular pockets; with thermostat cut-out. (42.7; 44.5.) (Sec. 121. U.S.A. Ser. No. 426,079/*08*)	Brennan	12,874
06.8	Rotary flame furnace for production of nitrogen oxides; configuration of electrodes. (07.9; 16.7)	Moscicki	12,840
	Group 07.—Electrolysis and Batteries.		
07.5	Reaction of liquid sulphurous acid and electrolytic oxygen; producing sulphuric acid and free sulphur; cell diagram. (08.9)	de Briailles	13,148
07.9	Rotary flame furnace for production of nitrogen oxides; configuration of electrodes. (06.8; 16.7)	Moscicki	12,840
	Group 08.—Mineral Chemistry.		
08.9	Reaction of liquid sulphurous acid and electrolytic oxygen; producing sulphuric acid and free sulphur; cell diagram. (07.5)	de Briailles	13,148
	Group 09.—Organic Chemistry.		
09.3	Cracking solar oils, &c., with water in contact with scrap iron. (20.6) ..	Noad	13,346
	Group 10.—Crushing and Grinding.		
10.7	Chaff-cutter or root-chopper; horizontal knife wheel with adjustable shields; vertical gravity hopper with unequal feed rolls	Marks	12,665
10.7	Helical food mincer; divided cylindrical shell for self sharpening; endwise adjustment of cutter worm for sizing the product	Pluecker	13,165
	Group 11.—Mech. and Elec. Separation.		
11.4	Table for tin ore or fine gold, oscillated about central pivot by crank on water wheel using the spent water. (11.9; 12.1)	Beckham	11,473
11.9	Sluice boxes; screen, shoot and shaking table for tin ore or fine gold; operated by waste water wheel (11.4; 12.1)	Beckham	11,473
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Up-current classifier as a by-pass below a slot in an enlargement of V-launder; with adjustable stream shield. (12.2)	Card	11,125
12.1	Washing table, &c., for tin or gold sluicing. (11.4; 11.9)	Beckham	11,473
12.1	Shallow circular settling and decanting vat; deposit continuously discharged at central outlet by rotating scrapers; annular overflow ..	Dorr	13,345
12.1	Discharging broad conical settling tanks; spiral rakes supported by edge rollers; central exit to a lock-chamber with upper and lower valves alternately opened by cam. (56.5)	Elmore	13,383
12.2	Up-current classifier as a by-pass below a slot in an enlargement of V-launder; with adjustable stream shield. (12.1)	Card	11,125
	Group 14.—Leaching Metallurgy.		
14.5	Leaching after treatment with gaseous mixture of chlorine, hypochlorous acid and ozonic acid. (14.7)	Koller	12,789
14.7	Plant diagram; electrolytic leaching, filtering, neutralizing and precipitating vats. (14.5)	Koller	12,789

Class.	Subject.	Name.	Number.
	Group 15.—Metallurgy in Furnaces.		
15.5	Pre-fusion of zinc ores (containing sufficient blende) with per-oxide of iron, and mixing with molten iron at sufficient temperature to volatilize the zinc; *see* 7507/*06*, 9796–7/*07*. (15.6)	Imbert	12,373
15.6	Pre-fusion of zinc ores (containing sufficient blende) with per-oxide of iron, and mixing with molten iron at sufficient temperature to volatilize the zinc; *see* 7507/*06*, 9796–7/*07*. (15.5)	Imbert	12,373
	Group 16.—Furnaces.		
16.7	Water-cooled electrode in rotary arc-furnace for nitrogen oxides. (06.8; 07.9)	Moscicki	12,840
	Group 17.—Chimneys, Fumes, Smoke.		
17.2	Cleaning air-heater spaces by sweeping steam jets. (17.3)	Wood	13,281
17.3	Air heaters formed of semicircular plates with curved ribs riveted to form flat curved tubes for use in flues. (17.2)	Wood	13,281
	Group 20.—Solid and Liquid Fuel.		
20.6	Cracking solar oils, &c., with water in contact with scrap iron. (09.3) ..	Noad	13,346
20.6	Liquefied hydrocarbons, containing propane, pentane, ethane, &c.; separated from mixed oil-gas by fractional refrigeration. (21.3) ..	Wolf	13,410
	Group 21.—Gas for Light and Heat.		
21.3	Treating oil-gas and like products by fractional refrigeration under compression, to separate volatile liquid hydrocarbons. (20.6) ..	Wolf	13,410
21.4	Air carburetting plant; adjustment of hydrocarbon and air mixture by disk floating in tapered mixing chamber; *see* 12,968/*08*. (61.7) ..	Hughes	12,967
21.4	Opposing currents of air and petrol between water-jacketed surfaces of concentric pairs of spheres, cones, &c.	Smith	13,239
21.4	Carburetting plant; air-bells lifted by water motor; disk valve reversed by mercury bascule tube. (65.9; 69.4)	Harsant	13,545
21.80	Preventing rapid generation by mixing treacle, &c., with the water. (21.81)	Dawson	11,198
21.80	Table lamp; extra outer gas-bell leads underflow excess gas to a waste burner. (21.81)	Bradley	11,491
21.81	Annular water compartment, central carbide basket and mud cap; upper strainer pad; cover latch and handle; 3 designs. (21.80) ..	Dawson	11,198
21.81	Table lamp; extinction by raising the vertical cylindrical carbide holder; outer gas-bell leads underflow gas to waste burner; 2 designs. (21.80)	Bradley	11,491
	Group 22.—Candles and Lamps.		
22.1	Travellers' pocket candle-case with hinged holder	Robb	11,738
22.5	Gas heater with pilot jet, for ventilating closets, &c.; flame turned up by seat or treadle. (69.1; 86.3)	Warner	10,775
22.8	Lighting up, &c., by alternated pressures; bag-operated piston valve; 4 designs of zig-zag cams for successively operating districts ..	Bedford	11,278
22.8	Lighting-up street lamps (*as* 10,784/*08*); bellows and ratchet rotates commutator, electrically operating gas valve and sparking igniter. (04.3)	Nightingall	11,526
22.8	Lighting up, &c., by alternated pressures; main and pilot valves on opposite ends of rock-lever with detent latches locking at alternate strokes of diaphragm which may be differentially loaded for operating separate districts	Bedford	12,791

Class.	Subject.	Name.	Number.
	Group 23.—Bunsen and Incand. Burners.		
23.3	Producing pneumatic pressure in primus burners by vaporizing internal charge of volatile liquid by conducted heat; 6 designs	von Post	13,010
	Group 25.—Washing; Cleaning; Brushes.		
25.1	Scouring soap containing borax, rice, potatoes, oatmeal, whiting, caustic soda, citronella and water	Rich	12,926
25.5	Rinsing drinking vessels; sink with external ring-spray and central jet, with projecting valve stem depressed by contact with the inverted vessel	Andrew	12,530
25.5	Hinged arm or hinged glass support operates spray valve; discharge pipe with outer circulating tube for the sink; 2 designs	Williams	12,596
25.5	Draining rack with pegs to hold up ball stoppers of inverted aerated water bottles	Forrest	13,145
25.6	Clothes prop; grooved top and wire spring clip; 3 designs of spiked shoes	Pomeroy	13,315
25.9	Rotary brush collector; vacuum bellows combined with rocking chair. (45.1)	Behringer	11,776
25.9	Ejector with dust bag and foot bellows for vacuum cleaning. (69.1; 69.4)	W.-Gerber	13,186
25.9	Suction dust extractor; diaphragm exhaust pump with laterally coupled lever handles, conical screen chamber, and nozzle foot. (69.4)	Allen	13,402
	Group 27.—Beverages.		
27.1	Distributing wort to vinegar producers by bascules, siphons, &c.; plant diagram	Lange	12,885
	Group 31.—Cultivation.		
31.1	Spiked roller lining in front of drill shoes to prevent clogging; lifting lever, &c.	Brooks	11,591
31.1	Potato planters having endless chain lifters; buckets fitted with loose rings on the lip for ejecting potatoes; hopper grid	Richmond	13,064
31.4	Flower-stakes; twisted wires with spiral or forked foot-plate, and open loops for attachments. (58.4; 81.8)	Jackson	11,817
31.9	Distributing outlet troughs for slotted subsoil irrigation pipes; 4 designs	Austin	13,164
	Group 32.—Harvesting.		
32.6	Chaff grading trommel; concentric sieves with paddle stirrer at inlet, and delivery in grade compartments	Priest	11,451
32.7	Potato harvester for wet soil; top cutter with mouldboard; lifting plough, elevators; grading and bagging	Reed	11,355
	Group 36.—Dairy Food.		
36.6	Removable spiral blades attached to central hinge-rods connected by a threading ring	Persoons	12,411
	Group 38.—Fowling; Fishing; Trapping.		
38.7	Jaw-trap with spiral spring, chain through jaw loops to tethering stake, assists the closing	Mainland	12,942
38.9	Bait attachment for carts, &c.; rotating vertical hopper, worm feed and ratchet platen feed, lever knife, &c.	Bourke	11,262
	Group 39.—Harness; Animal Power.		
39.3	Pinion on alarum withdraws rack-bolt allowing feed-hopper valve to fall open	Priest	11,530
39.7	Padded band-steel hobbles, with ring and snap hook	Williams	13,475

Class.	Subject.	Name.	Number.
	Group 42.—Sewing.		
42.7	Welt slitter for sewing machines; chisel cutter on reciprocating bar or needle segment. (44.5)	Winkley	11,558
42.7	Stitch setting in boot sewing; spring take-up and gradual start to relieve thread from shock; treadle tension release. (44.5.) (Sec. 121. U.S.A. Ser. No. 408,015/*07*)	Plant	12,751
42.7	Lock stitching with curved needle and oscillating shuttle (*as* U.S.A. 473,870/*92*); avoiding irregular looping by simultaneous stitch tightening and thread drawing. (44.5.) (Sec. 121. U.S.A. Ser. No. 427,234/*08*)	Plant	12,873
42.7	Wax pot (*as* U.S.A. 473,870/*92*); circulating tube and electric heater with thermostat control. (06.7; 44.5.) (Sec. 121. U.S.A. Ser. No. 426,079/*08*)	Brennan	12,874
	Group 43.—Wearing Apparel.		
43.1	Tailors' cutting-out shears; socketed detachable blades; pivot screw detail; screw adjustments for edge pressure, &c. (76.3)	Shirt	11,688
43.7	Razor blade holder; handle, clips, and corrugated wire spring. (76.1.) (Sec. 121. U.S.A. 875,130/*07*)	Stern	11,761
	Group 44.—Boots and Shoes; Umbrellas.		
44.3	Welted turn shoes; 2 designs of interlocked stitching. (Sec. 121. U.S.A. 899,501/*08*)	Beal	13,977
44.5	Lacing boot uppers before lasting; adjusting needle and looper; lace-slack retaining and knotting devices, modifying 5993/*06*. (60.5)	Enslin	11,333
44.5	Welt slitter for sewing machines; chisel cutter on reciprocating bar or needle segment. (42.7)	Winkley	11,558
44.5	Sole leveller; adjustments for lateral inclination of rolls and longitudinal motion of jack; *see* G.B. 10,883/*95* and U.S.A. 555,548/*96*	Winkley	11,757
44.5	Vamp edge trimmer; vibrating adze-cutter and rotating spiral ribbed roll for turning up the edges	Hadaway	11,758
44.5	Stitch setting in boot sewing; spring take-up and gradual start to relieve thread from shock; treadle tension release. (42.7.) (Sec. 121. U.S.A. Ser. No. 408,015/*07*)	Plant	12,751
44.5	Lock stitching with curved needle and oscillating shuttle (*as* U.S.A. 473,870/*92*); avoiding irregular looping by simultaneous stitch tightening and thread drawing. (42.7.) (Sec. 121. U.S.A. Ser. No. 427,234/*08*)	Plant	12,873
44.5	Wax pot for sewing machines (*as* U.S.A. 473,870/*92*); circulating tube and electric heater with thermostat control. (06.7; 42.7.) (Sec. 121. U.S.A. Ser. No. 426,079/*08*)	Brennan	12,874
44.5	Sole leveller for turn-shoes; horizontally vibrating rub-stick; vertically reciprocating hammer; jack adjustments; *see* U.S.A. 435,882–3/*90* and 551,035/*96*	Winkley	12,955
	Group 45.—Furniture.		
45.1	Rocking chair containing vacuum bellows for suction cleaning. (25.9)	Behringer	11,776
45.1	Perforated cambered sheet-steel seats; butt hinges and continuous swivel link. (Sec. 7. W.A. 4849/*04*)	Bickford	12,471
45.1	Spring suspension pendulous baby-jumper seat, combined with perambulator. (93.2)	Bennetts	12,625
45.2	Invalid's bed; removable central pad and linked frame for substituting a bed-pan. (86.3)	McKay	11,680

Class.	Subject.	Name.	Number.
	Group 46.—Upholstery.		
46.6	Window shades; measuring, rolling, and side trimming the fabric; cross cutting, folding, and creasing the lath-loop ready for sewing. (56.4)	Engberg	11,135
	Group 47.—Leather and Plastics.		
47.5	Reviving scrap rubber; separate macerations with acid and alkali; subsequent washing and high pressure steam treatment	Stocks	13,154
	Group 48.—Paper; Bookbinding.		
48.3	Weight released by choked feed rolls operates stop-action. (61.5.) (Sec. 121. Germany 191,367/*07*)	Fischer	11,316
	Group 50.—Typographic Printing.		
50.5	Monotype pneumatic perforators; keyboard punching, justification, indication, and unit-coupling; following G.B. 18,639/*99*, 15,545/*06* and 18,230/*06*	Bancroft	12,934
50.5	Quick-change magazines; disengaging, tilting and removing singly from back to front over assembling mechanism; 2 designs	Pearce	13,015
	Group 53.—Amusements.		
53.6	Folding game table, &c.; marbles propelled by tip-catapult knock others off central vertical shelves. (53.7)	Dando	11,979
53.7	Folding game table, &c.; marbles propelled by tip-catapult knock others off central vertical shelves. (53.6)	Dando	11,979
	Group 54.—Commerce.		
54.1	Motor operated cabinet; hanging leaves hinged to endless chain or roller; alternate sides displayed as the leaf falls over. (90.7) ..	Taylor	11,193
	Group 56.—Counting, Measuring, Weighing.		
56.4	Measuring and cutting off lengths of fabric for window blinds. (46.6)	Engberg	11,135
56.5	Measuring ore plup by the periodic operation of lock-chamber discharge from settling tank. (12.1)	Elmore	13,383
	Group 57.—Packing, Compressing, Bottling.		
57.4	Bag fastener and handle; straight metal band rolled in doubled-top of bag; afterwards bent to a closed ring. (57.8)	Karutz	12,938
57.5	Double capsule; inner layer of block tin, packing washer; outer layer with tearing lug	Hermann	13,132
57.8	Bag fastener and handle; straight metal band rolled in doubled-top of bag; afterwards bent to a closed ring. (57.4)	Karutz	12,938
	Group 58.—Chains, Ropes, Wire.		
58.4	Flower-stakes or fence dropper; twisted wires with spiral or forked foot-plate, and open loops for attachments. (31.4; 81.8) ..	Jackson	11,817
58.5	Wire fabric; interlaced spirals, each one intermeshing with three others. (88.4)	Faulkner	12,025
	Group 59.—Conveying and Lifting.		
59.1	Tubular waggon-jack; internal rack column with external lever and double pawls	Anderson	11,100

Class.	Subject.	Name.	Number.
	Group 60.—Mechanism; Lubrication.		
60.5	Lacing boot uppers before lasting; adjusting needle and looper; lace-slack, retaining, and knotting devices; modifying 5993/*06*. (44.5) ..	Enslin	11,333
60.9	Use of hot water spray to emulsify oil and prevent gumming in cylinders of explosive motors. (66.7)	Merrett	11,644
	Group 61.—Governors.		
61.5	Weight released by choked feed rolls operates stop-action. (48.3.) (Sec. 121. Germany 191,367/*07*)	Fischer	11,316
61.7	Screw-down valve, opened by fluid pressure, and coupled piston; for boiler blow-off, &c. (63.7; 74.7)	Hulburd	12,672
61.7	Compound needle valve and disk, floating in tapered chamber with compensating pipes; for hydrocarbon supply in air gas plant. (21.4)	Hughes	12,967
61.7	Compound needle and floating disk valve (*as* 12,967/*08*) with supplementary disk and control by hand or centrifugal governor. (61.9; 66.5)	Hughes	12,968
61.9	Modified needle and disk valve (*as* 12,967/*08*) controlled by hand or centrifugal governor for oil motors. (61.7; 66.5)	Hughes	12,968
	Group 62.—Power Storage.		
62.8	Electric clutches (*as* 11,983/*08*); connecting alternately operated phonographs. (01.7)	Norton	11,984
	Group 63.—Steam Power.		
63.2	Superheating steam in upper space of horizontal boilers by perforated flues adjusted in relation to pyrometers therein. (63.4.) (Sec. 121. Belgium 207,422/*08*)	Germeau	13,629
63.4	Partitions formed of adjustable movable tiles with spaces between upper and lower external flues of horizontal boilers. (63.2.) (Sec. 121. Belgium 207,422/*08*)	Germeau	13,629
63.7	Loco. blow-off cock; piston operated valve with screwd-own control. (61.7; 74.7)	Hulburd	12,672
	Group 64.—Cranked Engines.		
64.8	Motor or pump; oscillating piston in sector chamber in cross-head on main shaft, reacts by link on crank-pin fixed to the frame; exterior of cross-head forms valve surface. (67.7)	Lamplough	12,961
	Group 65.—Reciprocating Motors.		
65.4	Occasional stroke motor started by loss of pressure on one side of piston; for brake signalling. (96.6; 99.6)	Higgins	11,595
65.9	Blower for carburetting plant; valve reversed by air-bells and mercury loaded bascule lever. (21.4; 69.4)	Harsant	13,545
	Group 66.—Gas and Oil Engines.		
66.2	Single stroke motor for riveters, &c.; charge compressor operated by tri-phase motor; tool-head moved against work by compressed charge and the rivet then closed by the explosion. (66.8; 71.6) ..	White	12,912
66.5	Modified needle valve and floating disk combination (*as* 12,967/*08*); applied to carburetters of explosive motors. (61.7; 61.9) ..	Hughes	12,968
66.7	Jacketed valve box for admitting hot water spray or steam with air supply to prevent gumming on "no load," &c. (60.9)	Merrett	11,644
66.8	Electric ignition gear in single stroke press-motor; spark timed by charge pressure. (66.2; 71.6)	White	12,912

Class.	Subject.	Name.	Number.
	Group 67.—Turbines; Rotary Motors.		
67.7	Motor or pump; disguised oscillating piston chamber rotates in circular case round fixed crank. (64.8)	Lamplough	12,961
67.8	Pump or motor; pair of drums in casing, each with two diametral adjustable piston teeth and intermediate recesses. (68.7)	Hanman	12,078
	Group 68.—Pumps for Liquids.		
68.7	Pump or motor; pair of drums in each casing with two diametral adjustable piston teeth and intermediate recesses. (67.8)	Hanman	12,078
	Group 69.—Blowers and Compressors.		
69.1	Water-jet exhauster for closets, &c.; water baffle and collector. (22.5; 86.3)	Warner	10,775
69.1	Multiple-effect ejector for vacuum cleaner. (25.9; 69.4)	W.-Gerber	13,186
69.4	Ring inlet valves on compressor pistons having hollow inlet rods; +- or T-section providing guide and stop flanges	Sergeant	12,982
69.4	Double acting portable circular ventilating bellows; crank driven middle board, fixed outer ends with pipes having reversible valve system	Wigmore	13,094
69.4	Centrifugal ventilating suction fan; backwardly curved blades; forked pipes to central inlet. (74.7; 85.9)	Young	13,104
69.4	Bellows or foot pumps strapped to feet and alternately compressed; for vacuum cleaning. (25.9; 69.1)	W.-Gerber	13,186
69.4	Diaphragm exhaust pump piston on tubular rod; operated by laterally coupled lever handles. (25.9)	Allen	13,402
69.4	Double bell blower for carburetting plant coupled to piston water motor with mercury loaded bascule lever on valve. (21.4; 65.9)	Harsant	13,545
	Group 71.—Forging, Rolling, &c.		
71.3	Drop hammer; manually operated by strap over pulley; V-guides and guard bars	Sangster	11,422
71.6	Riveting or stamping machine; toggle gear operated by single stroke explosion motor. (66.2; 66.8)	White	12,912
	Group 73.—Sheet Metal Work.		
73.2	Trimming packs of roofing sheets; table with double edged central longitudinal guillotine and four transverse end-shears; adjustable retractable stops, &c. (Sec. 121. G.B. 7432/*08*)	Johnson	13,605
73.6	Aluminium solder; zinc and phosphor-tin	Finfrock	13,212
	Group 74.—Pipes and Fittings.		
74.5	Joint for cleaner rods; slotted rod, tenon plate and double cross pins, covered and retained by sliding tube	Willis	11,359
74.5	Jointing pipes by collars shrunk-on against removable gauging stops	Leonard	13,018
74.7	Screw-down valve, opened by fluid pressure and coupled piston; for boiler blow-off, &c. (61.7; 63.7)	Hulburd	12,672
74.7	Preventing concussion in pressure closed taps by extra spring cut-off piston with throttling grooves; swivelling cap for thumb lever taps. (74.8; 83.9)	Whitney	12,953
74.7	Spring inlet valve with adjusting screw, for ventilating pipe ends. (69.4; 85.9)	Young	13,104
74.8	Preventing waste at ball-taps by trigger catch with screw adjustment; released at top position of float lever. (74.7; 83.9)	Whitney	12,953

Class.	Subject.	Name.	Number.
	Group 76.—Cutlery; Plate.		
76.1	Razor blade holder; handle, clips and corrugated wire spring. (43.7.) (Sec. 121. U.S.A. 875,130/07)	Stern	11,761
76.3	Tailors' cutting-out shears; socketed detachable blades; pivot screw detail; screw adjustments for edge pressure, &c. (43.1)	Shirt	11,688
76.5	Slotted stirring spoon, with oblique scraping edge	Duncan	11,486
	Group 81.—Buildings, Streets, Fencing.		
81.8	Stake or dropper; two or more looped twisted wires with spiral or forked foot-plate. (31.4; 58.4)	Jackson	11,817
81.8	Lattice gate or fence of crimped and ring-locked hoop-iron. (81.9)	Purser	11,967
81.9	Lattice gate or fence of crimped and ring-locked hoop-iron. (81.8)	Purser	11,967
	Group 83.—Waterworks.		
83.9	Preventing waste at ball-taps by trigger catch with screw adjustment; released at top position of float lever. (74.7; 74.8)	Whitney	12,953
	Group 85.—Mining.		
85.1	Tunnel machine for steam or air power; rotary head with radial rows of drills; carriage; feed and conveyor details	Proctor	12,950
85.9	System of suction pipes with spring inlet valves at terminals; fan plant. (69.4; 74.7)	Young	13,104
	Group 86.—Sanitation.		
86.3	Ventilating closets, urinals, &c.; water-jet exhauster, gas jet or fan, started by seat or treadle. (22.5; 69.1)	Warner	10,775
86.3	Invalid's bed; removable central pad and linked frame for substituting a bed-pan. (45.2)	McKay	11,680
	Group 87.—Medicine.		
87.1	Sheep dips or disinfectants; creosote emulsified with sulphonated oil and lye. (Sec. 121. G.B. 26,608/07)	Little	12,888
87.2	Hypodermic syringe with screw feed; nut released for direct pressure on rotation	Ball	11,647
	Group 88.—Salvage, Accidents.		
88.2	Fusible flanged rim in four pieces for cord support in alarms (*as* 9203/07)	Smith	12,681
88.2	Alarm bell circuit, closed by mercury contacts under control of multiple expanding air-vessels, each with non-return valve. (00.7; 04.3)	Allan	12,977
88.4	Wire fabric of multiple interlaced spirals; for fire-proof curtains. (58.5)	Faulkner	12,025
	Group 89.—War.		
89.9	Fuses of twisted paper in rope form; saturated with paste of a chlorate-nitre gunpowder	Schulman	12,686
	Group 90.—Wind and Flying Machines.		
90.7	Vertical cross-flow paddle mill controlled by curved screen coupled to vertical pressure cup. (54.1)	Taylor	11,193

Class.	Subject.	Name.	Number.
	Group 91.—Ship Building.		
91.2	Sling frame for externally cleaning ships; held to ship's side by corner electro-magnets	Gargett	11,494
91.6	Manifold valve chest, connexion pipes and gauges for operating air supply and submerging tanks; tell-tale depth gauge	Spear	13,161
	Group 93.—Road Vehicles.		
93.2	Parcel carrier on go-carts, &c., turns down and becomes a seat with foot-rest	Monteith	11,466
93.2	Combination collapsible perambulator, baby-jumper, cot and high chair. (45.1)	Bennetts	12,625
93.2	Collapsible baby carriage; folding frame for body; wheel, axle and spring gear; hood and foot-rests; with catch devices	Loshbough	12,956
93.2	Collapsible baby carriage; folding brace for wheels with automatic catches	Loshbough	12,957
93.2	Collapsible baby carriage; automatically folding foot-rest with flexible upholstery	Loshbough	12,958
93.2	Collapsible baby carriage; seat-spring supports; folding brackets; operating linkages and clip details	Spofford	12,959
	Group 95.—Locomobiles.		
95.7	Bevel and train-arm gear for driving all wheels off one or two four-wheeled bogies; each wheel also steering, and with separate spring. (95.9)	Charley	11,358
95.9	Bevel and train arm gear for driving all wheels off one or two four-wheeled bogies; each wheel also steering, and with separate spring. (95.7)	Charley	11,358
	Group 96.—Rolling Stock.		
96.3	Extra brackets for safety skids, and safety beams for central bearings, &c. (96.6; 96.9)	Andrew	12,427
96.6	Indicating leakage in brake pipes; auxiliary reservoir and piston actuate disk signals on car. (65.4; 99.6)	Higgins	11,595
96.6	Operating brake cocks, &c., by motion of axle boxes, &c., on derailment. (96.3; 96.9)	Andrew	12,427
96.6	Automatic adjustment for slack brake rods; quadrant or straight rack with stationary detent and feeding pawl. (Sec. 121. G.B. 27,547/07)	Bowles	13,138
96.9	External skids on horn blocks, and internal wheels on axles for support after derailments. Axle sleeves and central bearings to prevent accident after axle breakage. (96.3; 96.6)	Andrew	12,427
	Group 97.—Wheels.		
97.4	Wheels with sliding hubs and tensional spiral spring spokes; internal bumper pad in hubs. (97.6)	Ward	12,965
97.6	Wheels with sliding hubs and tensional spiral spring spokes; internal bumper pad in hubs. (97.4)	Ward	12,965
97.81	Perforated rubber cushions cemented inside pneumatic tyres to permit travelling after puncture; 2 designs. (97.83; 97.89)	Musclow	12,231
97.81	Two-part clip-rims (*as* 13,175/08) having different depths following the curved felloes; slotted clamp band of L-section. (Sec. 121. G.B. 8610/08)	Webb	13,613
97.83	Collapse resisting core for pneumatic tyres; 2 designs. (97.81; 97.89)	Musclow	12,231
97.89	Perforated rubber cushions cemented inside pneumatic tyres to permit travelling after puncture; 2 designs. (97.81; 97.83)	Musclow	12,231

Class.	Subject.	Name.	Number.
	Group 98.—Permanent Way.		
98.1	Interlocking rail joint; head and flange cut diagonally in reversed directions	Cowdery	11,840
	Group 99.—Signalling.		
99.6	Marine signal lantern; push or cord operated disk shutters; post with hoisting gear and azimuth direction pointer. (00.4)	Sundercombe	11,374
99.6	Disk or semaphore signal on railway cars to indicate brake pipe leakage. (65.4; 96.6)	Higgins	11,595
99.7	Closing fire-alarm circuits by moving-coil relay on thermopile circuit. (00.7). (Sec. 121. N.Z. 24,249/*08*)	Reichel	13,194

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Tuesday, 18th May.

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"Improvements in apparatus for casting projectiles for small arms,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 35, dated the 1st of June, 1904, for :—

"Improvements in or relating to typographic machines,"

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NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 3706, dated the 26th of July, 1905, for :—

"Improvements in machines for composing and casting logotypes,"

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Further information and particulars obtainable from—**EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 4916, dated the 28th of December, 1905, for :—

"Improvements in linotype machines,"

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"Improvements in machines for the assembly of type matrices and the casting of linotypes therefrom,"

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"Improvements in linotype machines,"

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NOTICE TO INVENTORS. The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some inventors imagine they can save money by preparing their own Specifications, &c. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & HASSEL,** a firm of standing and experience.

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NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 7513, dated the 4th of December, 1906, for :—

"Improvements in linotype machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 4597, dated the 15th day of November, 1905, for :—

"Improvements in manually operated apparatus for casting curved stereotypes,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 5664, dated the 10th day of April, 1906, for :—

"Improvements in apparatus for casting curved stereotypes,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 6296, dated the 28th June, 1906, for :—

"Improvements in apparatus for casting curved stereotypes,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 501, dated the 1st of June, 1904, for :—

"Improvements in printing machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 10.] 18TH MAY, 1909. [No. 18.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notice—	
Examination for Patent Attorneys	365
Commonwealth—	
Applications Received	366
Provisional Specifications Accepted	370
Complete Specifications after Provisional	370
Applications (Prov.) Lapsed	371
Complete Specifications Accepted	371
Illustrated Notes	372
Commonwealth—*continued.*	
Specifications open to Public Inspection before Acceptance	380
Printed Specifications Published	381
Letters Patent Sealed	383
Victoria—	
Renewal Fee Paid	384
Queensland—	
Renewal Fee Paid	384

NOTICE.

Examination for Patent Attorneys.

It is hereby notified, for public information, that an Examination of Candidates for registration as Patent Attorneys will be held at the Patent Office, Melbourne, on the 2nd and 3rd August, 1909, or upon such other dates during that month as may be appointed by the Board.

The attention of Candidates intending to present themselves for examination is directed to Regulation No. 152 under the *Patents Act* 1903, which provides that—

> Every Candidate for admission to practise as a Patent Attorney shall, at least 30 days before the date appointed for holding any examination, lodge with the Secretary an application in Form FF, a declaration in Form GG, and a certificate in Form HH, in the Second Schedule, and pay the examination fee.

The fee for examination is £2, and applications must reach the Secretary before 2nd July, 1909.

The following books of reference have been prescribed by the Board:—

Edmunds on Patents (2nd edition).
Sebastian's Law of Trade Marks (4th edition).
Kerly on Trade Marks (2nd edition).
Patents Trade Marks and Designs, by David Fulton (2nd edition).

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

Patent Office,
Melbourne.

C.5787.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 6th to 12th May, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Corrigendum.—In Vol. 10, No. 17, page 346, *for* 14,379. *Prov.* Edward Boylden, *read* 14,379. *Prov.* Edward Bolydew.

Thursday, 6th May.

14,441. *Prov.* Donald McLEAN, Manakau-road, Newmarket, Auckland, N.Z., foreman of works,

"An improved level."

14,442. *Comp.* Phillip Joseph GANDON, 107 Pitt-street, Sydney, N.S.W., journalist,

"An improved check measure."

14,443. *Prov.* Henry Thomas BARNETT, 4 Beith-street, Brunswick, Vic., gentleman,

"Improved apparatus for propelling small craft."

14,444. *Prov.* Charles Ferdinand SNELL, 40 Telopea-street, Redfern, N.S.W., laundryman,

"Self acting automatic power ironing machine."

14,445. *Comp.* Ernest Moss, Dallington, Christchurch, N.Z., mechanic,

"Improved construction of heat recorder or fire alarm for buildings, ships, and the like."

14,446. *Comp.* John ARTHUR, 59 Macmaster-street, East Invercargill, N.Z., blacksmith,

"Improvements in elevating and conveying machinery."

14,447. *Prov.* Alfred SION, c/o Universal Indenting Co., 189 Russell-street, Melbourne, Vic., mechanic,

"Cyclone lever gear."

14,448. *Comp.* Louis ROBINSON, "Victor," Jackson-street, Northcote, Vic., commercial traveller,

"An improved method of combining leather and rubber."

14,449. *Prov.* Reginald Hugh HUNTER-WESTON, 215 Lambton Quay, Wellington, N.Z., sheep farmer,

"Improvements in seats of water closets."

14,450. *Comp.* John MACKAY, plumber, care of Phillips Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in windmills."

Friday, 7th May.

14,451. *Prov.* Harriot Emma SMARTT, lady, c/o Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic., *assignee of* Walter SMARTT, *act. inv.*, Queen's-road, Buckhurst Hill, London, N.E., Eng., gentleman,

"An improved vessel for heating or cooking foodstuffs."

14,452. *Prov.* Alexander James COTTEE, William-street, Box Hill, Vic., business systematiser,

"Improvements in relation to collars."

14,453. *Prov.* Leonard Adulf ESHELBY, Doris-court, 138 Clarendon-street, East Melbourne, Vic., pianoforte tuner,

"An improved phono violin."

14,454. *Comp.* Charles Edward WALLDER, 414 Burwood-road, Hawthorn, Vic., wholesale butcher, and Harry Moss ASHTON, Coburg, Vic., engineer,

"Improvements in instruments for use in skinning carcases, cutting flesh and other suitable materials."

14,455. *Prov.* Rudolph HAMBURGER, 281 George-street, Sydney, N.S.W., merchant,

"Improvements in devices for lubricating axles."

Applications received, 6th to 12th May—*continued*

14,456. *Prov.* John Harry Pickering, Beaudesert, Qld., mechanical engineer,

"Constant rack gear with variable speeds and leverages."

14,457. *Comp.* Joseph Jacob, Jingera, N.S.W., storekeeper,

"A healing salve."

14,458. *Comp.* Charles Upton Tripp Burke, farmer, c/o Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"A chemical compound for exterminating ants."

14,459. *Comp.* John Kennedy, threshing machine proprietor, c/o Phillips Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved fertilising attachment for seed drills."

14,460. *Prov.* Charles William Marshall, *act. inv.*, wire weaver, and Alec. Stanley Eggleston, *assignee*, architect, both c/o Phillips Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved window sash fastener."

Saturday, 8th May.

14,461. *Prov.* Alexander James Cottee, William-street, Box Hill, Vic., business systematiser,

"Improvements in relation to collars."

14,462. *Prov.* Henry Stocks, 79 Church-street, North Richmond, Vic., builder,

"Improved means for braking and locking the wheels of vehicles."

14,463. *Prov.* James Roche, Berrigan, N.S.W., insurance agent,

"An improved fire escape."

14,464. *Comp.* George Kimberley, Fitzroy Town Hall, Fitzroy, Vic., clerk,

"An improved tyre for use in connection with motor cars, cycles and similar vehicles."

14,465. *Comp.* George Ramsay, engineer, c/o Phillips Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved clothes washing machine."

14,466. *Prov.* Charles Herbert Small, 270 Little Collins-street, Melbourne, Vic., manufacturer and importer, *assignee of* Frank Kemp, *act. inv.*, Melbourne, Vic., camera maker,

"Improvements in photographic printing frames."

Monday, 10th May.

14,467. *Prov.* Hugh John Kelly, Mossman, Qld., cordial manufacturer,

"An improved deep water diving dress."

14,468. *Prov.* Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"An improved aseptic gag pad."

14,469. *Prov.* Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"An improved regulation arch."

14,470. *Prov.* Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"A continuous aseptic cover for use with the head rests of surgical chairs."

14,471. *Prov.* Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"A split impression tray for taking dental impressions."

14,472. *Prov.* Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"An improved rubber face piece for administering anæsthetics."

14,473. *Prov.* Henry Joseph Selfe, "Eurota," Sisters' Crescent, Drummoyne, N.S.W., engineer,

"Apparatus for testing the bias of bowls."

14,474. *Comp.* James Alexander Brown, 72 Hayes-street, Neutral Bay, N.S.W., mining engineer,

"A revolving reverberatory smelting furnace."

14,475. *Prov.* Annie Dangar Piercy (wife of Ellis Somers Piercy), Central Tilba, N.S.W.,

"Rat proof safety garbage bin."

Applications received, 6th to 12th May—*continued.*

14,476. *Prov.* Walter Costello HEATH, saddler, and Daniel Francis CANNY, hotelkeeper, both of Gibbo-street, Benambra, *viâ* Omeo, Vic.,

"Simple trap setter."

14,477. *Prov.* William WALKERDEN, 82 William-street, Melbourne, Vic., bootmaker,

"Improved button fly for boots and shoes."

14,478. *Prov.* Joseph William Gilbert ALFORD, agent, and Joseph Herbert ALFORD, machinery expert, both of South-terrace, Adelaide, S.A.,

"An improved seed covering attachment for seed drills."

14,479. *Comp.* Emilie PELCHEN, married lady, c/o Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in gooseberry or like fruit gatherers."

14,480. *Comp.* George ROGERS, Salmon Gums, Norseman, W.A., farmer,

"Improved method of felling trees."

14,481. *Prov.* James KING, Cootamundra, N.S.W., clerk,

"Improvements in apparatus for compressing hay and fodder in open stacks."

Tuesday, 11th May.

14,482. *Prov.* Ellen COTHAM, Bay-street, Brighton, Vic., private life,

"An improved portable clothes rack."

14,483. *Prov.* Edward Couzens DAVIS, Nhill, Vic., blacksmith,

"Improvements in conveyors."

14,484. *Comp.* Robert George GIBBONS, mining agent, and Hubert Semmy ROSENTHAL, merchant, both of 79 Pitt-street, Sydney, N.S.W.,

"An improved method for oscillating a rotary fan."

14,485. *Prov.* Denis Garvan SHERIDAN, Roseville, N.S.W., clerk,

"Improvements in lining pads for heels of footwear."

14,486. *Prov.* Edward Giles STONE, Studley Park, Werrington, N.S.W., engineer,

"Improvements relating to storage chambers."

14,487. *Comp.* John Jasper STONE, Challis House, Martin-place, Sydney, N.S.W., patent attorney, *communicatee of* Eustace W. HOPKINS, and Karl OSIUS, trading as Hopkins and Lenz, 92 Koniggratzer Strasse, Berlin, Germany, patent attorneys, *legal representatives of the act. inv.*,

"Improvements relating to inverted gas lamps and their burners."

14,488. George James COLES, late of 57 Balmoral-avenue, but now of Rydalholme, Rydal-street, Gateshead, Durham, Eng., engineer,

Application under Sec. 121.

[Date applied for 9th June, 1908, being date of application in G.B., No. 12,419/*08*.]

"Improvements in or relating to automatic couplings for railway and similar vehicles."

14,489. William Henry JOHNSON, 24 and 26 Lever-stret, Manchester, Eng., metal merchant and manufacturer, and Osborne Ernest WILSON, *act. inv.*, Meadow Park, Kingston-road, Didsbury, near Manchester, Eng., engineer,

Application under Sec. 121.

[Date applied for 12th Dec., 1908, being date of application in G.B., No. 26,993/*08*.]

"Improvements in wire netting machines."

14,490. *Prov.* Charles James WALKER, "Cloverfield," 238 McKean-street, North Fitzroy, Vic., tanner,

"An improved pneumatic tyre for road vehicles."

14,491. *Prov.* Gertrude Margaret GREAVES, trained nurse, c/o Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"An improved button fastening for clothing or other purposes."

14,492. *Prov.* Gertrude Margaret GREAVES, trained nurse, c/o Phillips, Ormonde & Co., 533 Collins-street, Melbourne, Vic.,

"Improvements in candle holders."

Applications received, 6th to 12th May—*continued.*

Wednesday, 12th May.

14,493. *Prov.* Thomas Moore Heany, Fern Tree Gully, Vic., shire secretary,

"Electric tell-tale, particularly for use between telephones."

14,494. *Comp.* Robert Hutchison Anderson, 27 Inverleith-row, Edinburgh, Scot., mining engineer,

"Improvements in rock drills."

14,495. *Prov.* Richard Vallancey Danne, "Auburn," 18 Domain-street, South Yarra, Vic., electrical engineer, and Howard Hughes Miller, 417 Punt-road, Richmond, Vic., metallurgist,

"Electric brand."

14,496. *Prov.* Charles Samuel Davey, Mildura, Vic., mechanical engineer,

"Improvements in driving mechanism and running gear of motor vehicles."

14,497. *Prov.* Evan Hoskins Jones and Thomas William Baster Halliday, trading as the Emu Enginering Works, 113 Victoria-street, Fitzroy, Vic., engineers and iron-founders,

"Improvements in hand-operated moulding machines."

14,498. *Comp.* Carl Erik Gustaf Ramström, *assignee*, Eskilstuna, Sweden, public prosecutor, and Per Fredrik Danielsson, *act. inv.*, Södertelje, Sweden, mechanician,

"Improvement in measuring-vessels for liquid-measuring-apparatus."

14,499. *Prov.* James Livesey Scott and Ernest Scott, both of Mannum, S.A., motor engineers,

"Improvements in power driven sawing machinery."

14,500. *Comp.* Ludwig Horst, Gefionstr., Altona a/d Elbe, Germany, engineer,

"An improved carbonic acid motor."

14,501. *Comp.* William Arthur Caldecott, Consolidated Gold Fields Buildings, Simmonds-street, Johannesburg, Transvaal, S.Af., metallurgist,

"A new or improved substance for precipitating metals from their solutions."

14,502. *Prov.* J. B. MacEwan and Company Limited, Featherston-street, Wellington, N.Z., merchant, *assignee of* Archibald Burrell Robertson, *act. inv.*, New Plymouth, Taranaki, N.Z.,

"Improvements in milking machines."

14,503. *Prov.* George Henry Bode, Hill End., Mackay, Qld., mechanic,

"An improved bicycle pump connection."

14,504. *Prov.* Charles James Walker, "Cloverfield," 238 McKean-street, North Fitzroy, Vic., tanner,

"An improved pneumatic tyre for road vehicles."

14,505. *Comp.* The Honorable Charles Algernon Parsons, *C.B.*, and Alexander Henry Law, Heaton Works, Newcastle-on-Tyne, Northumberland, Eng., engineers,

"Improvements in and relating to commutators for dynamo electric machines."

14,506. *Prov.* Harry James Barwood, Sir Garnet-road, Surrey Hills, Vic., carpenter,

"Improved spout for oil cans."

14,507. *Prov.* John Jones, Mafeking House, Smollett-street, Albury, N.S.W., trapper,

"An improved method of and apparatus for trapping rabbits and other rodents."

14,508. *Prov.* Robert Waite, 18 Vulcan-lane, Auckland, N.Z., plumber,

"An improved gas generator."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1909.

13,993. Williams, J. A.
14,038. Jackson, W.
14,106. Pomeroy, J., Wood, E., & Turner, J.
14,108. Belk, M.
14,127. Sims, A. H.
14,134. Apps, G. W.
14,157. Greatorex, Laura
14,159. Burke, C. U. T.
Ant banisher.
14,161. May, Eliza (May, E. G.)
14,162. Woolley, T.
14,179. Poole, G.
14,180. McConnochie, Emily
14,181. Murnane, C.
14,185. Nelson, A. D.
14,190. Youren, F. E.
14,195. Bradbrook, R.
14,197. Hicks, T. H., & Clayton, T. F.
14,201. Reilly, J. F.
14,203. Martin, J. A.
14,217. Nesbitt, Eda
14,220. Warner, T., & Kannuluik, J.
14,241. O'Toole, J.
14,254. Fenton, H.
14,255. Thomas, R. G.
14,276. Rowe, W. F., & Harris, A. Y.
14,286. Lange, S. G.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

12,192. Harold SEDDON, Southern Cross, W.A., electrician,

"Automatic and electric device for preventing railway collisions." 7th May, 1909.

12,236. Cecil Ernest ROGERS, 7 Ballarat-street, Yarraville, Vic., and Rufus McKEOWN, 59 Campbell-street, Collingwood, Vic., engineers,

"Valveless exhaust scavenger." 12th May, 1909.

12,245. Francis Ernest CLIFF, 27 Blackwood-street, North Melbourne, Vic., agricultural implement manufacturer,

"An improved compression apparatus for bag filling machines." 12th May, 1909.

12,271. Edward William COLEMAN, 19 Lonsdale Chambers, 27 Chancery-lane, London, E.C., Eng.,

"Improvements in driving gear for hand, foot or power driven machinery." 12th May, 1909.

1909.

13,755. Oscar WRIGHT, Marulan, N.S.W., grazier,

"An improved kiln or retort for the production of charcoal." 12th May, 1909.

14,476. Walter Costello HEATH, saddler, and Daniel Francis CANNY, hotelkeeper, both of Gibbo-street, Benambra, *viâ* Omeo, Vic.,

"Self acting spring catch for rabbit traps." 10th May, 1909.

14,503. George Henry BODE, Hill End, Mackay, Qld., mechanic,

"An improved bicycle pump connection." 12th May, 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,908. Forshaw, W. J., & Gough, A. G.
11,910. Lempriere, T. E.
11,911. Teese, W. J.
11,915. Taylor, T. L.
11,927. Auscombe, W. H.
11,930. Macdonald, V.
11,934. Deane, C. W.
11,935. Hornabrook, J. A.
11,936. Jones, H. G.
11,941. Cooper, E. G.
11,942. Gale, J.
11,943. Carrick, J. T., & Pattison, B. S.
11,945. Whitlock, J.
11,946. Robertson, J. S.
11,949. Hamilton, F. M., & Eardley - Wilmot, S.
11,951. Hobbs, E.
11,952. Stoddart, W. G., & Dann, W. F.
11,953. Salmon, J.
11,955. Rawling, W. J.
11,956. Kelly, J.
11,957. Allan, F. McK.
11,958. Bagnall, H. N.
11,959. Dugins, W. F.
11,960. Heany, T. M., & Winters, J.
11,961. Hunt, J.
11,962. Cullen, C.
11,964. Ball, W. (Ball & Machin)
11,966. Neighbour, A. G. L.
11,968. Wardell - Johnson, P. H., & Feakes, F. G.
11,969. Rattigan, G. C.
11,971. Kelly, J. D., Andrews, W., & Taylor, T.
11,974. Landon, J. M.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,446. Angus.
11,497. Petrie.
11,525. Braybrooke.
11,653. Shuttleworth.
11,972. Grant.
11,977. Shearer.
12,144. de Jomini.
12,145. de Jomini.
12,387. Dubois.
12,556. Fritsch.
12,753. Plant.
13,127. Wagner.
13,131. Phillips.
13,140. Hodges.
13,143. Mitchell.
13,172. Schollenberger.
13,183. Astrom.
13,187. Gold.
13,235. Bennett.
13,240. la Cour.
13,249. Hampton.
13,280. Bolitho.
13,324. Stamp.
13,392. Bird.

1909.

13,618. Roche.
13,619. Roche.
13,665. Gans.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Complete Specifications Accepted—*continued.*

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

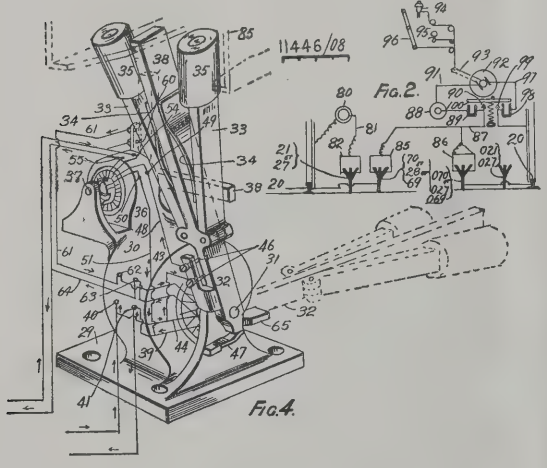
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903 or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

11,446. 8 May. A. R. ANGUS, New South Wales.

Class 98.2.

Preventing railway collisions: Cam rail **82** on a locomotive by engaging with fixed track contacts **27** elevates falling track contacts **69**, thereby operating a motor **92** with lever **93** to cut off steam, &c., on a following or approaching train; the falling contact bars **32**, Fig. 4, are raised by motor **30** and locked by motor **36** operating arm **38**.

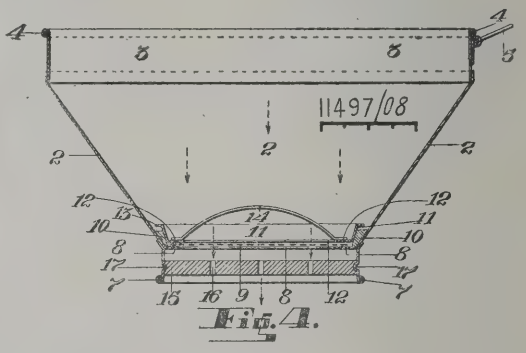


6 figures, 11 claims.

11,497. 15 May. G. PETRIE, Victoria.

Classes 24.7; 36.2.

Strainer, with removable straining medium held in position by flange **8** and locking piece **11**.

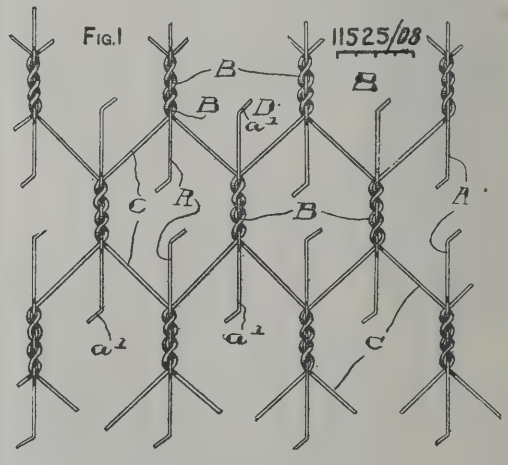


4 figures, 3 claims.

11,525. 19 May. H. G. BRAYBROOKE, England.

Classes 58.5; 81.2; 81.8.

To reduce the mesh openings in wire netting, a length of wire **A** is interlocked with each twist; the ends may be bent or pointed.



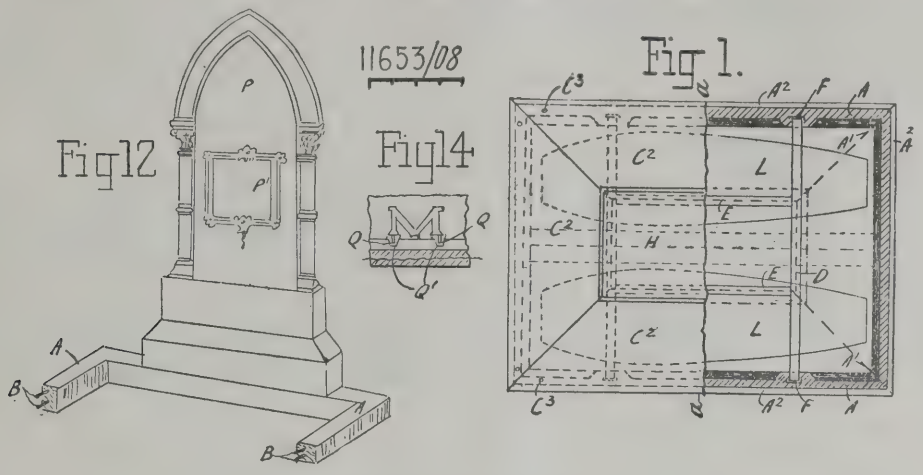
4 figures, 2 claims.

Complete Specifications Accepted—*continued.*

11,653. 3 June. J. J. Shuttleworth, New South Wales.

Classes 81.2; 87.9.

Vaults and grave structures: Application thereto of reinforced ferro-concrete.

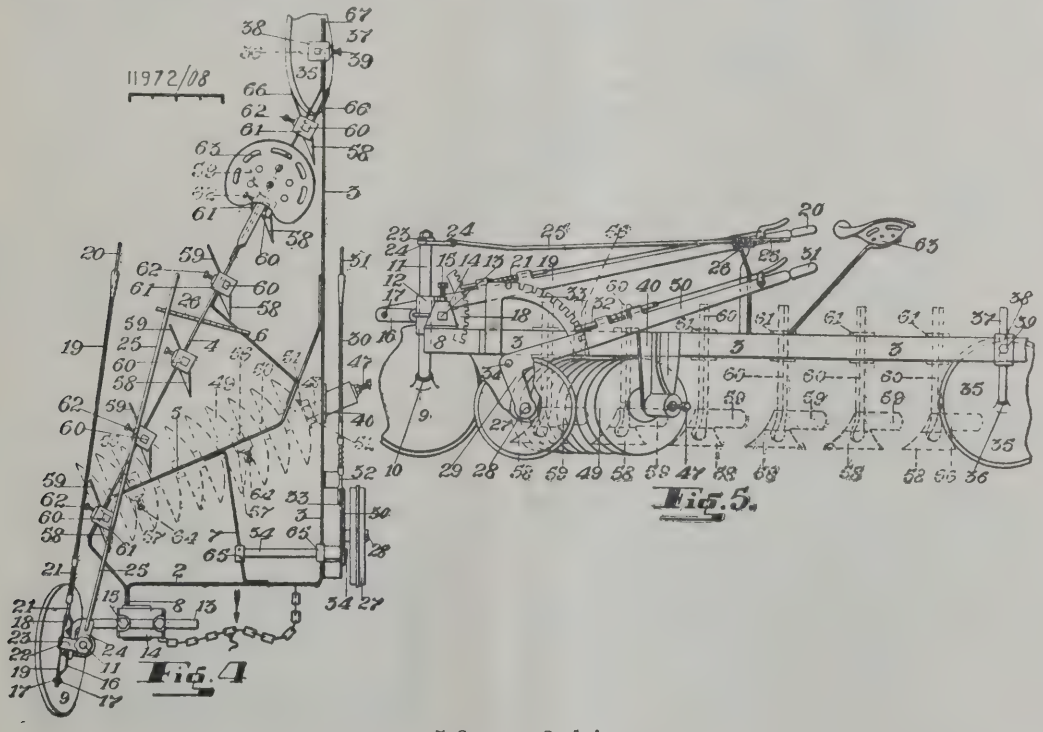


14 figures, 13 claims.

11,972. 14 July. J. Grant, Victoria.

Classes 30.7; 31.2; 60.7.

Paring plough convertible into disk cultivator: Disks on removable axle for light cultivation; removable shares on main beam for paring work; steering gear.



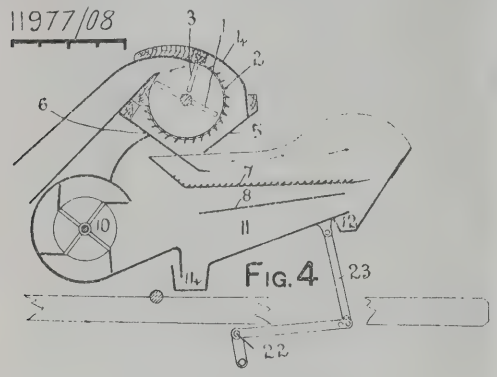
5 figures, 3 claims.

Complete Specifications Accepted—*continued.*

11,977. 14 July. J. SHEARER and D. SHEARER, South Australia.

Class 32.3.

Damp weather thresher: Revolving spiked roller in drum; riddle box and sieves.

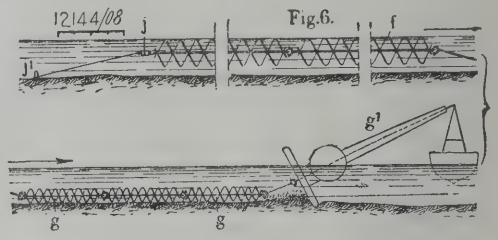


7 figures, 8 claims.

12,144. 5 Aug. N. DE JOMINI, France.

Classes 60.8; 62.8; 67.5; 84.8.

Current motor and dredger: Buoyant motor screw **f** connected by universal joints to dredging screws **g** and elevator g^1; modifications and details.

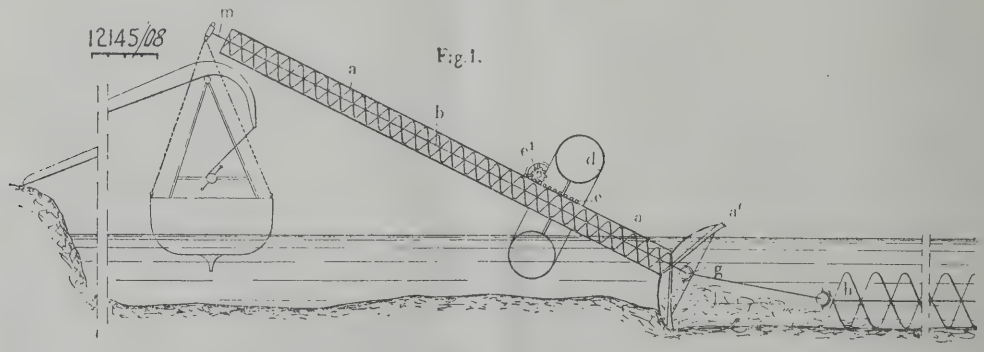


38 figures, 7 claims.

12,145. 5 Aug. N. DE JOMINI, France.

Classes 68.7; 84.8.

Dredger and elevator: Helical pipes bell mouthed at a^1, rotated on adjustable bearing floats **d**, by current or other motor **h**.

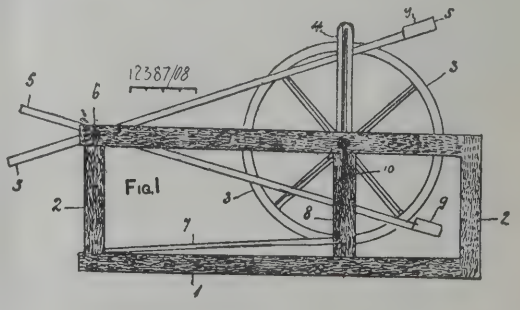


6 figures, 2 claims.

12,387. 4 Sept. C. L. DUBOIS, South Australia.

Class 39.1.

Pedal, crank, and fly-wheel gear for pump levers.



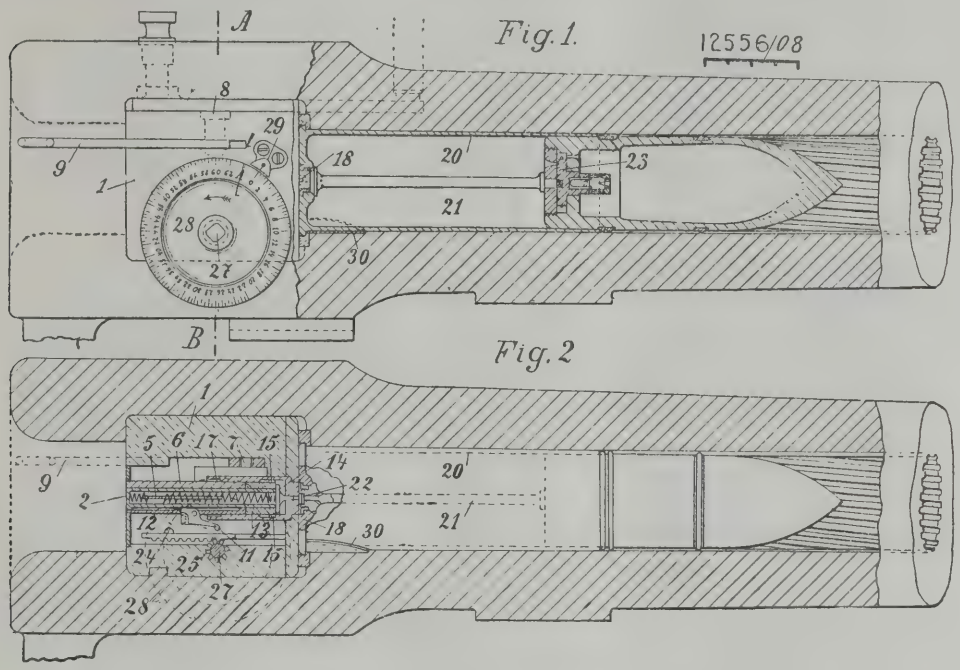
3 figures, 4 claims.

Complete Specifications Accepted—*continued.*

12,556. 21 Sept. W. Fritsch, Austria.

Classes 89.3 ; 89.9.

Timing fuses : When striker of gun is cocked an adjuster acts on the setting disk **23**, regulating fuse to desired range.



12 figures, 7 claims.

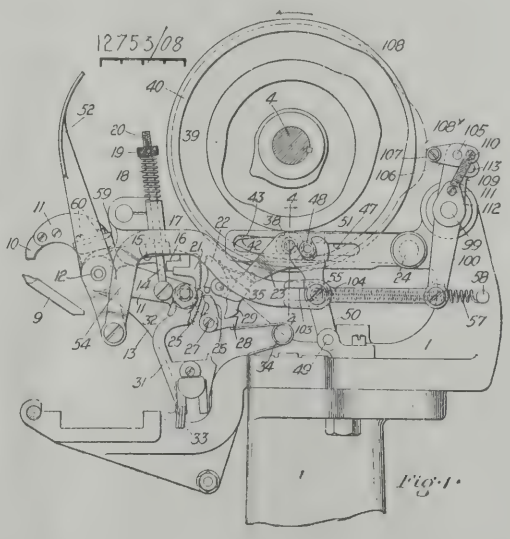
12,753. 12 Oct. T. G. Plant, Mass., United States of America.

Sec. 121. U.S.A. 414,151. 4 Feb., 1908.

Classes 42.7 ; 44.5 ; 61.5.

Boot sewing : Presser-foot **10** is held lightly against work by spring **33** during feed, and in the intervals with heavy pressure by ratchet **21** and lever **23**, operated by cam **39** ; the presser-foot is released by handle **52**, or automatically by lever **100** and cam **108x**, on reversal of shaft **4** by volute spring buffer stop action.

7 figures, 14 claims.



Complete Specifications Accepted—*continued.*

13,127. 25 Nov. F WAGNER, Germany.

Classes 61.7 ; 74.7.

Stop valve : Equilibrium chamber and auxiliary throttle to prevent hammer action ; 5 modifications.

Fig. 2.

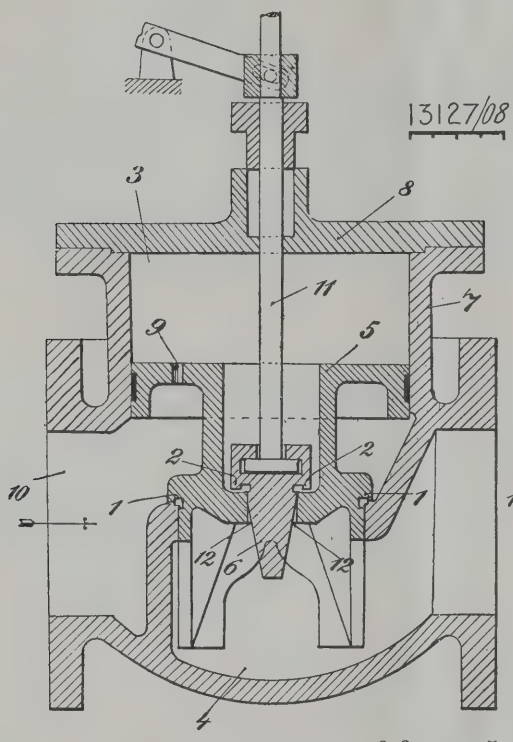
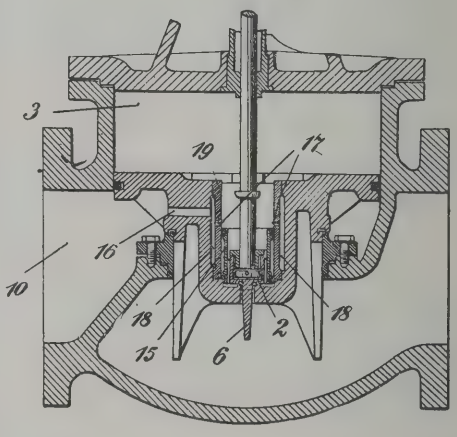
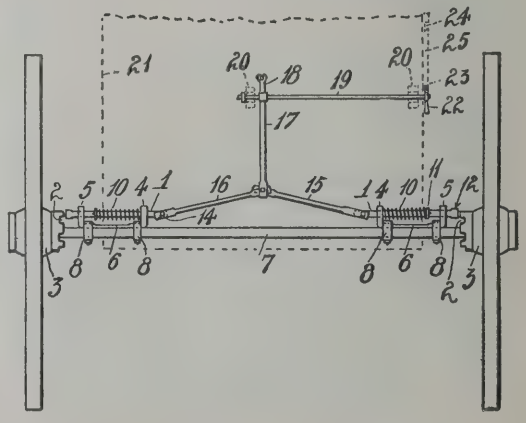


Fig. 5.



6 figures, 5 claims.

Fig. 1. 1313/08



13,131. 25 Nov. W. CARLISLE (T. PHILLIPS, Victoria).

Class 93.3.

Wheel lock : Spring bolt **1** engages notches **2** upon shaft **19** being rotated from driver's seat by lever **22** ; connecting rod **17** attached to crank **18**.

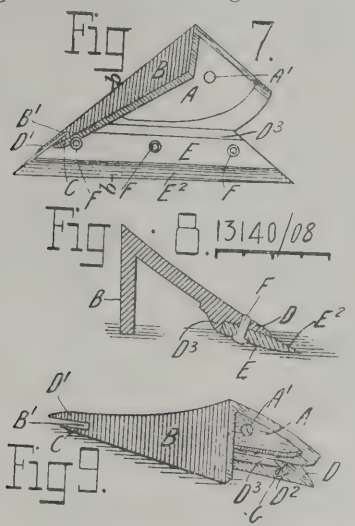
3 figures, 5 claims.

Complete Specifications Accepted—*continued.*

13,140. 26 Nov. J. F. C. Hodges and G. W. Griffith, New South Wales.

Class 30.3.

Plough share: Foot flanged and shrouded.



10 figures, 4 claims.

13,143. 26 Nov. H. C. Mitchell, England.

Classes 48.3; 51.1.

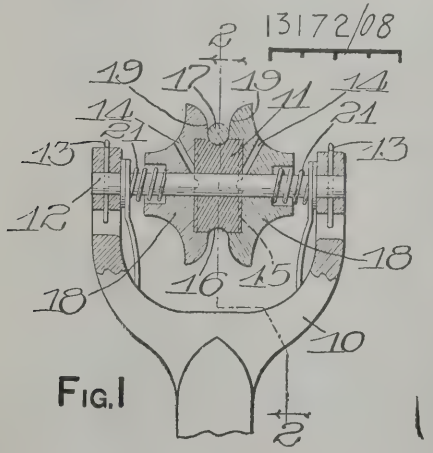
Paper staining: Colour is applied to one of a pair of rollers, rotating in a water bath, and between which the paper is passed to be grained, veined, or striped.

No drawing, 1 claim.

13,172. 30 Nov. G. G. Turri (E. M. Schollenberger, Ill., U.S. America).

Class 03.4.

Sleet cutting trolley wheel: Lateral flanges and central grooved roller.

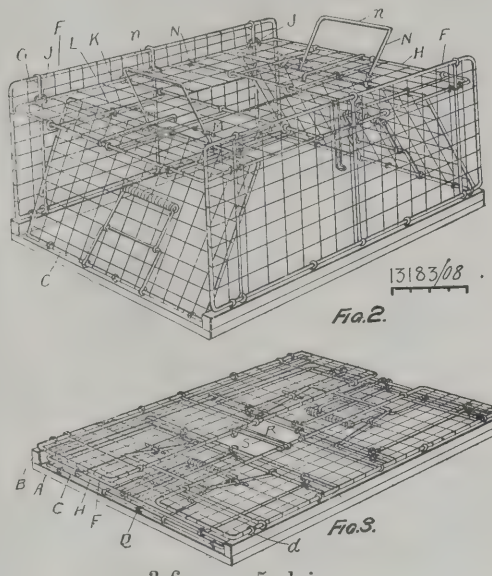


4 figures, 2 claims.

13,183. 1 Dec. W. M. Astrom, N.S.W.

Classes 38.1; 57.1; 58.4.

Collapsible crate for transporting poultry, &c.



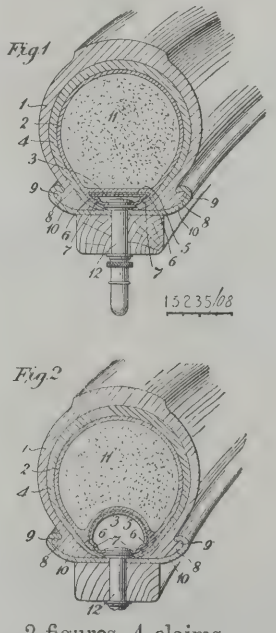
3 figures, 5 claims.

13,235. 9 Dec. G. A. Bennett and J. A. Smith, England.

Sec. 121. G.B. 27,259. 10 Dec., 1907.

Classes 97.81; 97.83; 97.89.

Puncture-proof pneumatic tyre: Sand tube **2**, air tube **3**, with fabric layers **4** and **5**, interposed as shown.



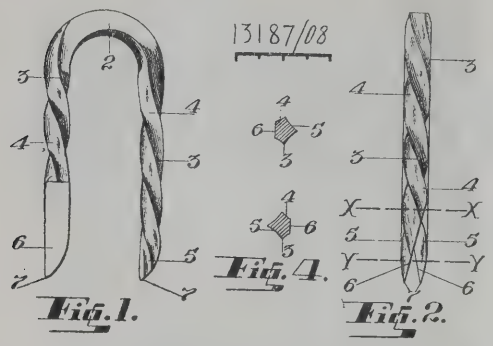
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

13,187. 2 Dec. F. GOLD, Victoria.

Class 78.1.

Staple: Spiral legs with serrated points.



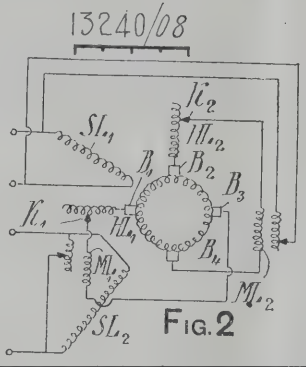
7 figures, 3 claims.

13,240. 9 Dec. J. L. LA COUR, Sweden.

Classes 02.4; 04.7.

Reversible compensated polyphase commutator motors: Speed regulation.

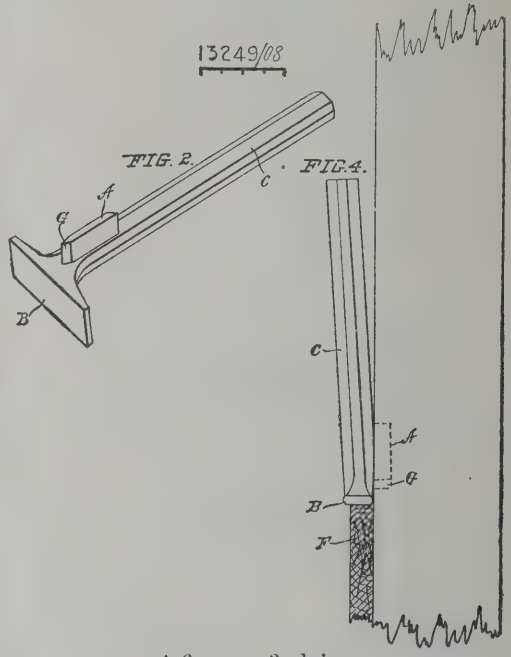
5 figures, 5 claims.



13,249. 10 Dec. W. H. HAMPTON, J. ANDERSON, and R. H. FREE, New Zealand.

Class 80.3.

Cramp for lining and flooring boards, comprising a shaft **C** with a chisel edged cutter **A** and foot **B**.

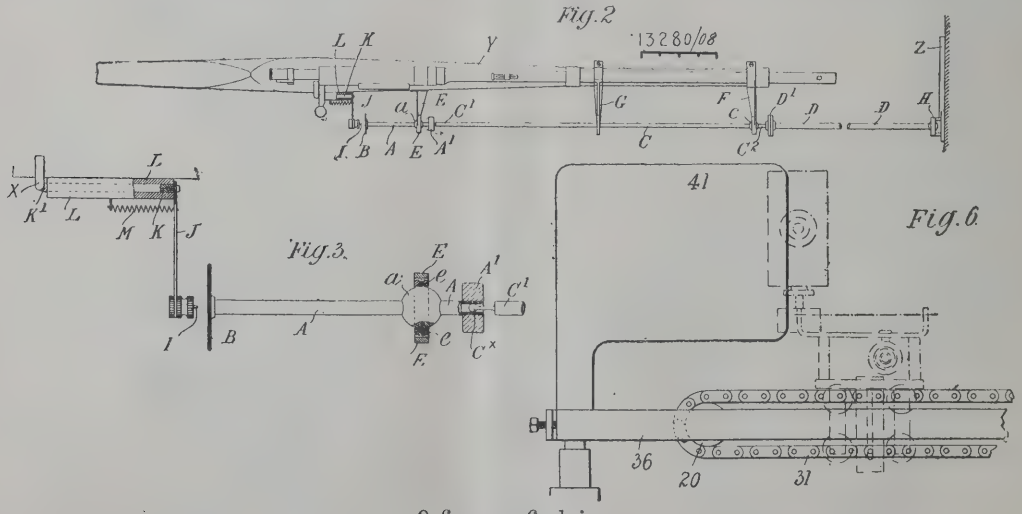


4 figures, 3 claims.

13,280. 14 Dec. J. B. BOLITHO, England.

Classes 62.1; 89.5.

Target practice and aim recording apparatus where no projectile is employed: Gyratory rod **A** mounted on rifle as shown and having a miniature target **B** and a pricking device **I** subject to control by trigger; modification showing apparatus attached to moving target.



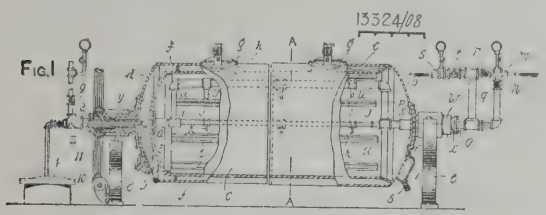
9 figures, 6 claims.

Complete Specifications Accepted—*continued.*

13,324. 21 Dec. J. W. Stamp and W. J. Powell, Victoria.

Classes 24.5 ; 35.4.

Digester for fat and oil from offal, &c.: Steam and vacuum treatment ; filtration under steam pressure.

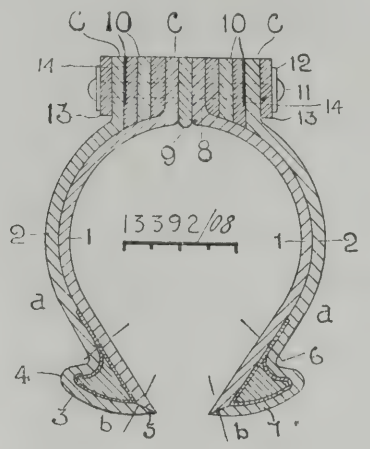


4 figures, 4 claims.

13,392. 29 Dec. W. H. Bird, England.
Sec. 121. G.B. 2100. 30 Jan., 1908.

Class 97.89.

Pneumatic tyres : Tyre made of two cheeks of leather formed with flanges in the plane of the wheel, clamped together, the edges of flanges being reinforced with strips to form a wide tread.



1 figure, 5 claims.

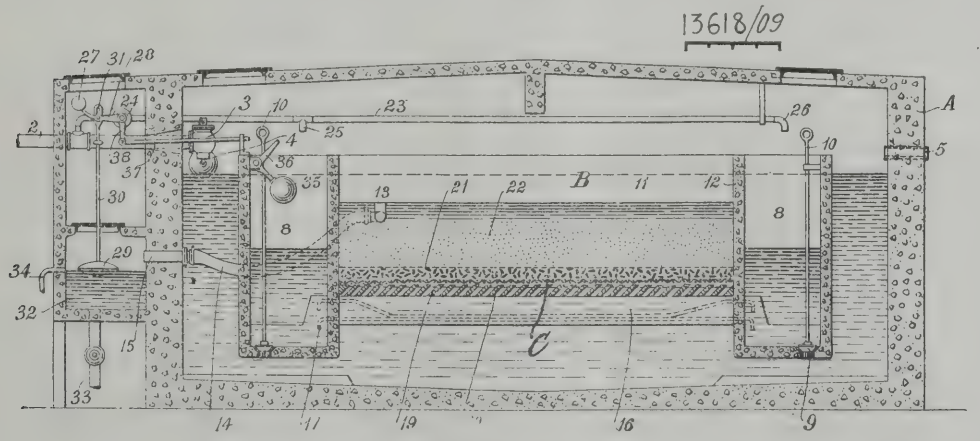
1909.

13,618. 27 Jan. Oliver-Roche Company (J. Roche and A. Oliver, N.Y., U.S.A.)

Classes 28.1 ; 81.2 ; 83.1.

Water purifier : Settling tank, with floating filtering tank ; static pressure forces water up through filter bed of carbon contained between galvanized iron and brass screens.

Fig. 1.



2 figures, 3 claims.

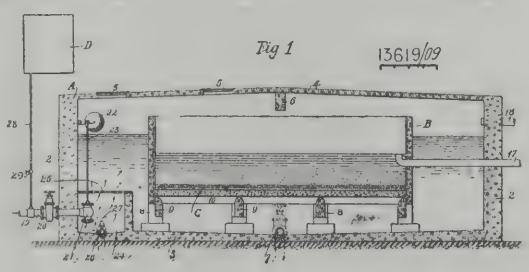
13,619. 27 Jan. Oliver-Roche Company (J. Roche and A. Oliver, N.Y., U.S.A.)

Classes 28.1 ; 81.2 ; 83.1.

1. Purifying water by sedimentation and upward filtration under static pressure.

2. Settling tank : Suspended filtering tank ; filter bed of carbon contained between screens of iron and brass.

9 figures, 11 claims.



Complete Specifications Accepted—*continued.*

13,665. 3 Feb. J. D. Riedel Aktiengesellschaft (R. Gans, Germany).

Class 14.1.

Precipitating gold from sea water by filtering through zeolites containing a base such as stannous oxide or ferrous oxide.

No drawing, 4 claims.

Specifications open to Public Inspection before Acceptance,

under Sec. 121, "Patents Act 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (3 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

13,624. John Alfonzo Wesener, 103 State-street, Chicago, Cook, Ill., U.S.A., chemist,

Application under Sec. 121.

[Date applied for 14th May, 1908, being date of application in U.S.A., Serial No. 432,851/*08*.]

"Apparatus for aging and bleaching flour."

14,053. Siemens Brothers & Co. Limited, *assignees*, 12 Queen Anne's Gate, Westminster, S.W., London, Eng., and Luiz de Moraes Gomes Ferreira, *act. inv.*, 102 Elmbourne-road, Upper Tooting, Surrey, Eng., electrical engineers,

Application under Sec. 121.

[Date applied for 13th May, 1908, being date of application in Great Britain, No. 10,394/*08*.]

"Improvements in mechanism for electrically operating railway and like signals."

14,410. Charles William Graham, Ngapara, near Oamaru, Otago, N.Z., farm labourer,

Application under Sec. 121.

[Date applied for 16th May, 1908, being date of application in N.Z., No. 24,402/*08*.]

"An improved frame for coiling and uncoiling wire."

14,414. Augustus David Klaber, 26 Holborn Viaduct, London, Eng., merchant,

Application under Sec. 121.

[Date applied for 18th May, 1908, being date of application in France, No. 390,350. Application also made in Great Britain, 14th Nov., 1908; Denmark, 28th Dec., 1908; Belgium, 6th Feb., 1909; and Switz., 6th Feb., 1909.]

"Improvements in duplicators."

14,417. Donald Robertson, General Post Office, Wellington, N.Z., civil servant,

Application under Sec. 121.

[Date applied for 13th May, 1908, being date of application in N.Z., No. 24,399/*08*.]

"Improvements in post marking machines."

14,419. William Henry Morgan, 29 Coronation-terrace, gas-maker, James Densley, 20 Ewart-road, retort setter, Harry Gray, Elm View, Stafford-road, assistant gas works manager, George Geering, 20 Osborne-road, manufacturers' agent, all of Weston-super-Mare, Somersetshire, Eng.; and Henry James Walduck, Crown Galvanizing Works, Fazeley-street, Birmingham, Warwickshire, Eng., manufacturer,

Application under Sec. 121.

[Date applied for 15th May, 1908, being date of application in Great Britain. Application also made in U.S.A.]

"A new or improved process and apparatus for the manufacture of coal, water or oil gas, or combinations or mixtures of the said gases."

Printed Specifications Published.

Vol. 24 comprises Applications from 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 44, comprising Applications numbered from 4800 to 8799, are now complete with title pages, &c.

Vols. 45 to 49 comprise Applications from 8800 to 9799; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4600, and many of higher numbers than 9800, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 266.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4305. Void application.

4308. F. Walsh (Klempau). *Advertising.* Classes 54.1; 60.3.

4312. Void application.

4318. W. & F. Walker Ltd. and J. T. Freestone. *Deodorizing blocks.* Class 87.1.

4320. A. T. Collier. *Vehicle tyres.* Class 97.81.

4321. The Ore Concentration Syndicate Ltd. (Elmore). *Separating by flotation.* Class 12.5

4322. G. Bain. *Railway coupling.* Class 96.3.

4323. A. Worsfold. *Vehicle seat.* Class 93.2.

4325. P. Andersen. *Milking apparatus.* Classes 36.1; 68.3.

4329. Aspinall and Rigby. *Supplying water to rock drills.* Classes 85.8; 85.9.

4330. H. Lyons. *Treating grain stalks.* Class 32.6.

4334. C. Braché. *Horticultural ploughs.* Classes 30.9; 31.4.

4335. Société Anonyme Matthey & Co. (Clement). *Insulating compositions.* Classes 03.2; 19.2; 29.7; 47.9.

4336. J. Carter. *Bottle stoppers.* Class 57.5.

4340. The Australasian Marbut Carving Co. Pty. Ltd. (Holloway). *Moulding machines.* Classes 46.5; 80.6.

4344. J. F. Wixford. *Feeding re-agents.* Classes 14.7; 83.1.

4371-2, 4416-7, 4425. Void applications.

4515. G. J. Henderson. *Capsules.* Classes 57.4; 87.1.

4608-11. Void applications.

1907.

8600 to 8799. Vol. 44. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—8600-4, 8615-7, 8629, 8659-67, 8680-3, 8773-4, 8781-4.

9491. Grayson and McGlew. *Mine signalling.* Classes 04.4; 99.8.

9532. Manufacturers Machine Co. (Gelzenlichter). *Buffing machines.* Classes 44.5; 75.2.

9537. Mary J. Bourke. *Mattress support.* Classes 45.2; 46.1.

9598. T. D. Merton. *Rotary ore furnaces.* Classes 16.43; 16.5.

9642. H. O. Titchener. *Linotype moulds.* Class 50.5.

9643. T. S. Martin. *Baby's trotter.* Classes 53.2; 93.2.

9700. W. S. Clark (Cuthbert). *Fire kindlers.* Class 20.8.

9701. W. G. Gaston. *Disk cultivators.* Classes 30.7; 30.9.

9709. McNeill and Carter. *Stripper beaters.* Classes 32.3; 60.2.

Printed Specifications Published—*continued.*

1907.

9759. H. V. McKAY. *Road tractors and harvester.* Classes 32.3; 95.2.
9809. C. TANDY. *Grip for metal shears.* Class 71.5.
9810. R. A. THOMPSON. *Boot soles and heels.* Class 44.3.
9916. A. HARPER. *Excavator and grader.* Class 84.3.
9925. H. V. McKAY (GARDE). *Lock for plough posts.* Class 30.3.
9959. GALE and GUNTHER. *Chaff-cutters.* Class 10.7.
9961. MANUFACTURERS MACHINE CO. (STEWART). *Insole slashing machines.* Class 44.5.
9962. MANUFACTURERS MACHINE CO. (BOHR). *Reinforced insole.* Class 44.3.
9963. MANUFACTURERS MACHINE CO. (STEWART). *Boot soles.* Class 44.3.
9965. MANUFACTURERS MACHINE CO. (PLANT). *Welt measuring.* Classes 42.7; 44.5.
10,059. J. WALTHO and OTHERS. *Filter.* Class 28.1.
10,074. FARTHING and STEANES. *Arc electric lamps.* Class 06.2.
10,088. W. TYREE. *Destroying animals.* Classes 21.87; 38.9.
10,170. A. J. F. DEBAVAY. *Recovering metals in oil.* Class 12.5.
10,180. UNITED SHOE MACHINERY CO. (JACKSON and POCHIN). *Burnishing machines.* Class 44.5.
10,194. UNITED SHOE MACHINERY CO. (SCOTT). *Abrading.* Class 44.5.
10,195. UNITED SHOE MACHINERY CO. (PRIDE). *Jacks for shoe machines.* Class 44.5.
10,270. F. DAVISON. *Window screens.* Classes 78.7; 81.5.
10,326. C. NORTH. *Destroying weeds.* Class 31.5.
10,358. C. A. JEFFREYS. *Hose pipe couplings.* Class 74.5.
10,369. SINCLAIR and JARDINE (JARDINE and STEWART). *Milking appliances.* Classes 36.1; 69.1.

1908.

10,750. MANUFACTURERS MACHINE CO. (STEWART). *Boot machines.* Class 44.5.
10,779. W. A. F. BLEECK. *Primary batteries.* Class 07.1.
10,780. J. HOELLE. *Steam washing machine.* Class 25.2.
10,905. PURVES and SINNOTT. *Electrical insulators.* Class 03.1.
11,168. P. MAGNUS. *Cooling milk cans.* Classes 36.2; 36.3.
11,295-6. Void applications.
11,318. A. WALKER. *Pencil cases.* Classes 49.1; 56.2.
11,343. P. WÖBBER. *Regulating electric resistance.* Classes 04.7; 87.8.
11,347. A. J. COCHRAN. *Skin, &c., press.* Class 57.3.
11,353. C. F. BRADBURN. *Telephone system.* Class 05.8.
11,361. G. E. HUDSON. *Cleaning gullies, &c.* Class 86.4.
11,366. T. A. POWERS and OTHERS. *Spark arrester.* Class 17.8.
11,370. Void application.
11,388. S. SUTTON. *Percussion rock-drilling.* Classes 65.9; 85.4.
11,391. PICKERING and PIKE. *Flooring cramp.* Class 80.3.
11,409. D. A. QUIGGIN. *Condensing steam, &c.* Class 63.8.
11,412. J. L. CAMPBELL. *Harrow for seed drills, &c.* Classes 31.1; 31.2.
11,418. L. F. BULLÔT (GRIFFITHS). *Skylights.* Class 81.4.
11,448. R. O. CLARK. *High pressure pipes.* Classes 19.1; 74.5.
11,461. T. E. W. NOYES (WARREN and TREGONING). *Rock drill chucks.* Class 85.8.
11,481. W. J. COPLESTONE. *Railways.* Classes 98.1; 98.2; 98.4.
11,488. M. G. NEWBOULD. *Electrical cut-out.* Classes 03.4; 04.3.
11,545. A. G. L. NEIGHBOUR. *Clearing nipples of stoves.* Class 23.3.

Printed Specifications Published—*continued.*

1908.

11,560. Lamson Consolidated Store Service Co. (Pearsall). *Pneumatic tube systems.* Class 59.8.
11,584. Carra and Gregory. *Windmill.* Classes 60.3; 90.7.
11,589. T. Van Dieren. *Railway switch.* Class 98.2.
11,640. R. von Zelewski. *Roasting furnace.* Class 16.40.
11,654. C. R. Garrard. *Motor vehicle clutches.* Classes 62.8; 95.9.
11,670. J. R. Moore. *Washing appliances.* Class 25.2.
11,686. S. Armstrong. *Brewing.* Class 27.1.
11,687. H. Westermann. *Packing eggs.* Classes 35.9; 57.9.
11,700. W. T. Hitchen. *Fumigating burrows.* Classes 21.87; 38.9.
11,703. R. Noble. *Concentrating tables.* Classes 11.4; 60.3.
11,764. J. Lavagnino. *Mortar mills.* Class 10.2.
11,768. M. Ruthenburg. *Separating ores.* Class 12.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*6th May, 1909.*			
10,593	6 Jan.	C. S. Burgess (Keller) ...	Germany	Aerating superphosphate mill	37
10,594	6 Jan.	C. S. Burgess (Keller) ...	Germany	Emptying superphosphate pits	37
10,596	6 Jan	Emma J. Walker ...	Qld.	Cooling safes	5
		7th May, 1909.			
10,608	8 Jan.	J. W. Huelin	Vic.	Boiler furnace smoke preventer	6
		10th May, 1909.			
10,623	9 Jan.	P. L. Harkin	Vic.	Milking machines ...	683
10,746	31 Jan.	Un. Shoe Mach. Co. (Jerram & Gouldbourn)	Eng.	Punching, &c., machines ...	683
11,055	16 Mar.	R. Bradford	N.S.W.	Harness tugs	810
11,086	18 Mar.	Adair-Usher Process Ltd. (Usher)	S. Af.	Treating sands	827
12,419	7 Sept.	J. Edman & T. K. Hundeby	U.S.A.	Freight car door	596
12,420	7 Sept.	J. R. Williams & W. C. Briggs	U.S.A.	Continuous sale strips ...	596
12,529	17 Sept.	F. H. Trevellian ...	N.Z.	Cash registers	626
12,542	18 Sept.	J. M. Keenan	Vic.	Harvesting machine combs	626

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*11th May, 1909.*			
10,747	31 Jan.	Un. Shoe Mach. Co. (Bates)	Eng.	Boot and shoe machines ...	683
10,769	3 Feb.	J. Lomas	Tas.	Grading apples, &c. ...	731
11,571	25 May	J. Schuerch & G. Himmel	Germany	Dynamo-electric machine ...	355
11,742	16 June	G. Carrara	Italy	Chloride of zinc	409
12,105	29 July	H. J. Topliss	N.Z.	Packing bulk butter ...	509
12,238	13 Aug.	C. v. Heiden	N.S.W.	Pianofortes	558
12,297	21 Aug.	C. Gyler	N.S.W.	Protecting shaft bearings ...	574
12,312	24 Aug.	U. K. S-A.A-F. Metal Packing Synd. Ltd. (Foden)	Eng.	Metallic packing for piston rods	575
12,430	8 Sept.	W. H. Frost & J. J. Nix	U.S.A.	Producing gas	597

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1902.

No.	Name.	Paid up to–
19,397 ...	Böhm, E. ...	... 24th June, 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fee Paid.

1901.

No.	Name.	Paid up to–
5993 ...	Page, F. T. ...	... 4th May, 1915

GEORGE TOWNSEND,
Commissioner of Patents.

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THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

OTHER FEES.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
Not exceeding one month ...	5	0	0
Not exceeding two months ...	10	0	0
Not exceeding three months ...	15	0	0
20. On enlargement of time for payment of renewal fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
21. For duplicate of Letters Patent, each	2	0	0
22. On making request under Regulation 124 to be informed of any dealings in connexion with a patent ...	1	0	0
23. On application for a compulsory licence. By person applying ...	5	0	0
24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
29. On application for entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent ...	1	0	0
30. On application to alter name or address in Register	0	10	0
31. On application to correct clerical error in Register	0	10	0
32. On application to correct clerical error, before sealing	0	5	0
33. On application to correct clerical error, after sealing	0	10	0
34. Office copies of documents, for every 100 words, but never less than One shilling	0	0	6
35. For examination of copies not made in the office, for every 100 words, but never less than One shilling ...	0	0	3
36. For office copies of drawings, sun prints per sheet	0	1	0
36A. For office copies of drawings (according to agreement).			
37. For examination of drawings or sun prints, not made in the office, but never less than One shilling per sheet	0	0	6
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39. For certificate of Commissioner under section 28 of the Act	0	10	0
40. Search or inspection fee ... each	0	1	0
41. Annual search fee	5	0	0
42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

UNIVERSITY OF ILLINOIS

Vol. 10.] 1909. [No. 19.
(WITH SUPPLEMENT).

Tuesday, 25th May.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE Australian Official Journal of Patents.



Notice.

Applications Received, 14,509 to 14,557.

Commonwealth Proceedings.

States Proceedings.

Supplement—Part A of Vol. 9, Statistics and Indexes for 1908.

PRICE (including postage):—Single Copy, 6d. Annual Subscription, 25s. Obtainable at the Government Printing Office, Melbourne.

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J. Kemp, Government Printer, Melbourne.

C.6171.

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,, 1909, No. 2		1s. 6d.
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Copyright Rules, Statutory Rules 49/*07*		8d.
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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto Collins-street, Melbourne.

PATENTS OBTAINED WORLD-WIDE. TRADE-MARKS REGISTERED.

A·J·CALLINAN

REGISTERED PATENT ATTORNEY BY OFFICIAL EXAMINATION

AGENTS IN ALL COUNTRIES. CORRESPONDENCE INVITED.

131 COLLINS ST. MELBOURNE. NEXT PATENTS OFFICE.

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 283, dated the 1st of June, 1904, for :—

"Improvements in apparatus for casting projectiles for small arms,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 35, dated the 1st of June, 1904, for :—

"Improvements in or relating to typographic machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 3246, dated the 24th of May, 1905, for :—

"Improvements in printing machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 3706, dated the 26th of July, 1905, for :—

"Improvements in machines for composing and casting logotypes,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from—**EDWARD WATERS & SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 4916, dated the 28th of December, 1905, for :—

"Improvements in linotype machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 5245, dated the 14th day of February, 1906, for :—

"Improvements in machines for the assembly of type matrices and the casting of linotypes therefrom,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

NOTICE IS HEREBY GIVEN that the Patentee of Australian Patent No. 5328, dated the 23rd of February, 1906, for :—

"Improvements in linotype machines,"

is prepared to satisfy any demands and all requirements of the Public respecting said Invention.

Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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VOL. 10.] 25TH MAY, 1909. [NO. 19.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Vol. 9—Statistics and Indexes	385
Qualifying Examination for Patent Attorneys	385
Commonwealth—	
Applications Received	386
Provisional Specifications Accepted ...	389
Complete Specifications after Provisional ...	389
Applications (Prov.) Lapsed	390
Applications Abandoned, &c.	390
Assignments Registered	390
Licence Registered	391
Commonwealth—*continued.*	
Specifications open to Public Inspection before Acceptance	391
Complete Specifications Accepted ..	392
Illustrated Notes	392
Printed Specifications Published	401
Letters Patent Sealed	402
Victoria—	
Renewal Fee Paid	404
Queensland—	
Renewal Fee Paid	404

NOTICES.

Vol. 9.—Statistics and Indexes, 1908.

With this number Part A of Vol. 9, Statistics and Indexes for 1908, is issued in a green paper cover. This completes the series of Parts A to E, which are now ready for binding in alphabetical order.

Qualifying Examination for Patent Attorneys.

FEBRUARY, 1909.

It is hereby notified for public information that

HIDER SMITH

has passed the Patent Attorneys Qualifying Examination, held at the Patent Office, Melbourne, on the 22nd and 23rd February, 1909, in pursuance of the provisions of the *Patents Act* 1903.

In the event of no objection being received by the Board within one month from the date of this notice, a Certificate that Mr. Smith has passed the Examination will be issued by the Board.

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

Patent Office,
Melbourne, 25/5/09.

C.6171.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 13th to 19th May, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Corrigendum.—In Vol. 10, No. 17, page 346, *for* 14,379. *Prov.* Edward Boylden, *read* 14,379, *Prov.* Edward Boyldew.

Thursday, 13th May.

14,509. *Prov.* Oscar Charles DYER, A.M.P. Chambers, Cameron-street, Launceston, Tas., jeweller,

"Improvements relating to the reproducer button arm of phonograph reproducers."

14,510. *Comp.* Henry Wilson ROY, Roseneath, Wellington, N.Z., and Arthur WEBER, 27 Emerson-street, Wellington, N.Z., engineers,

"Means for locking electric lamps within their holders."

14,511. Arthur Harry WRIGHT, 131 Princes-street, Dunedin, N.Z., agent,

Application under Sec. 121.

[Date applied for 18th July, 1908, being date of application in N.Z., No. 24,700/*08*.]

"Improved advertising apparatus."

14,512. Claud Herbert WILLIAMS, Muriwai, Auckland, N.Z., station owner,

Application under Sec. 121.

[Date applied for 8th June, 1908, being date of application in N.Z., No. 24,311/*08*.]

"An improved fencing dropper."

14,513. *Prov.* William Johnathan Charles ALMOND, Todd-street, Alberton, S.A., and James Alexandrer OPIE, Long-street, Queenstown, S.A., firemen,

"Improved brake mechanism for railway vehicles."

14,514. *Prov.* Ernest THWAITES, 133 William-street, Melbourne, Vic., importer,

"Improvements in apparatus for manufacturing carburetted air."

14,515. *Prov.* Charles Hilary WOODHOUSE, 328 Clarendon-street, South Melbourne, Vic., bank manager,

"An instrument for holding a hand of playing cards at either 'bridge' 'whist' or other similar games."

14,516. *Comp.* Marshall TILLIE, Foyle Factory, Londonderry, Ireland, shirt manufacturer,

"Improvements in machines for making button holes in collars, cuffs, shirt neckbands and the like."

14,517. *Prov.* Alexander Tennant CHAPPLE, Post Office, Prymont, N.S.W., medical student,

"Improvements in tennis racquets obtained (*a*) by using steel tubing, oval in section, for frame (*b*) apparatus situated in handle by means of which the strings can be kept taut."

Friday, 14th May.

14,518. *Prov.* James Francis WILSON and James Frederick WILSON, both of Lords-place, Orange, N.S.W., flour millers,

"The eclipse fire lighter."

14,519. *Prov.* Frederick GALE, *act. inv.*, engineer; Michael Thomas CONWAY, *assignee*, farmer; and Patrick Joseph CONWAY, *assignee*, farmer, all of Kilmore, Vic.,

"Improvements in attachments for or mechanism of disc ploughs."

14,520. *Prov.* Leonard Watkins BICKLE, *F.R.C.S.*, Hutt-street, Adelaide, S.A.,

"An improved washer plate and stop block for cupboard buttons and the like."

Applications received, 13th to 19th May—*continued.*

14,521. *Prov.* Francis Valentine Bowie, The Glen, Buchan, Vic., farmer,

"An improved device for draining boats when suspended from ships' davits and the like."

14,522. *Prov.* Arthur William Bowie, "The Glen," Buchan, Vic., grazier,

"Improvements in couplings for rolling stock for railways, tramways, and the like."

14,523. *Prov.* George Gray Nicholls, Radovick-street, Korumburra, Vic., medical practitioner,

"An apparatus for recording votes, automatically registering a cumulative vote for each candidate or the number of first choices for each candidate in preferential method with an electrical device to record the count in preferential method."

14,524. *Comp.* Edward Hetherington, St. George-street, Ipswich-road, South Brisbane, Qld., plumber, and Joseph Hetherington, Blackall-street, East Brisbane, Qld., boilermaker,

"An improved gas generator for internal combustion engines and motors and for lighting and heating purposes."

14,525. *Comp.* Charles Henry Fulham, 6 Ivy-street, Redfern, N.S.W., galvanized iron worker,

"An improved flushing cistern."

14,526. *Prov.* Duncan Gillies, carpenter, care of Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"An improved merry-go-round to be operated by the riders."

14,527. *Comp.* Lionel Turner, 2 Valegrove, Finsbury Park, London, Eng., coachbuilder,

"Improvements in wheels for vehicles."

14,528. James Wyndham Meek, 32 Albert-road, Stroud Green, London, N., Eng., photographic apparatus manufacturer, and David Brown Thomas, 119 and 120 Finsbury Pavement, London, E.C., Eng., merchant,

Application under Sec. 121.

[Date applied for 22nd May, 1908, being date of application in G.B., No. 11,162/08. Application also made in U.S.A., 16th Feb., 1909.]

"Improvements in daylight developing apparatus."

14,529. *Prov.* Fredrick George Johnson, carriage builder, care of Arthur Griffith, 163 King-street, Sydney, N.S.W.,

"Improvements in the wheels of railway rolling stock for the purpose of enabling them to run on systems of different gauges."

14,530. *Prov.* Arthur Barkly Bennett, Church-terrace, Walkerville, S.A., ironmonger,

"Improved means for securing wires to fence posts and droppers."

14,531. *Prov.* Thomas Mason, Spearing-street, Wangaratta, Vic., coachbuilder,

"Device for preventing hoods for automobiles and other vehicles from chafing."

14,532. *Comp.* James Marsh, 41 Villiers-street, North Melbourne, Vic., engineer,

"Improvements in acetylene generators."

14,533. *Prov.* Henry Percy Moxon, Wrightville, N.S.W., mechanic,

"An improved acetylene gas generator."

Saturday, 15th May.

No application received.

Monday, 17th May.

14,534. *Comp.* John Burgess, Tarcowie, S.A., agricultural implement maker,

"An improved share and tine for stump jumping cultivating implements."

14,535. *Prov.* James Lewis Cole, Moore-street, Charters Towers, Qld.,

"Cole's patent axle and forks for pneumatic tyred vehicles."

14,536. *Prov.* Thomas Quinlivan, Willows Spring, Coghill's Creek, Vic., farmer,

"Improved means for securing rotating bodies upon fixed shafts applicable more particularly for securing wheels upon fixed axles."

14,537. *Prov.* John Symons Endacott Ellis, 108 Pitt-street, Sydney, N.S.W., architect,

"The Cross motive power engine and generator."

Applications received, 18th to 19th May—*continued.*

14,538. *Comp.* Augustine Louis DUNPHY, 92 Shooters Hill-road, Blackheath, London, Eng., civil engineer,

"Improvements in inverted incandescent gas burners."

14,539. *Prov.* Edward BOYLDEW, 24 Linda-street, Moreland, Vic., carpenter,

"Improved chaff cutter."

14,540. *Prov.* Henry Richard Rudolph LOHMANN, 100 Webb-street, Fitzroy, Vic., grinding machine attendant,

"Perpetual air motor."

14,541. *Prov.* William Henry BESSELL-BROWNE, "Napoli," Flood-street, Bondi. N.S.W., insurance inspector,

"A garbage or dust bin holder for attachment to a fence."

14,542. *Comp.* Ebgert VON LEPEL, Traunsteinerstrasse No. 9, Charlottenberg, Berlin, W., Germany, engineer,

"Improved apparatus for producing rapid electric oscillations."

14,543. THE WILFLEY MINING MACHINERY COMPANY LIMITED and Frank Lloyd ROUDEBUSH, all of 638 (formerly 138) Salisbury House, London Wall, London, E.C., Eng., engineers,

Application under Sec. 121.

[Date applied for 30th Oct., 1908, being date of application in G.B. No. 23,189/*08*.]

"Improvements in and relating to apparatus for the separation of solid material from liquids."

Tuesday, 18th May.

14,544. *Prov.* William John MCAULEY, 103 Station-street, St. Peters, N.S.W., carriage painter,

"Improvements in animal traps."

14,545. *Prov.* Joseph Banks CRITCHLEY, Booth-street, Bendigo, Vic., coachman, and David ANDERSON, View-street, Bendigo, Vic., chemist,

"Improved brake block."

14,546. *Prov.* John Gilruth GILRUTH, tea merchant, and Gerald STANLEY, engineer, both of 2 Bourke-street, Melbourne, Vic.,

"Water heater."

14,547. *Prov.* Frank SPARROW, 164 Buckley-street, Essendon, Vic., engineer's pattern maker,

"An improved grass fire extinguisher."

14,548. *Prov.* John Patrick DALY, horse breaker, c/o W. E. Kinnear, saddler, Bourke-street, Melbourne, Vic.,

"An improved tackle for throwing and tying horses and cattle."

14,549. *Prov.* Ethel May PETERSON, Rosebank-street, Sydney, N.S.W., married woman, and Alfred PETERSON, Redfern-street, Redfern, N.S.W., Government employé,

"The yard check."

14,550. *Comp.* Edward Needham WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* LINOTYPE AND MACHINERY LIMITED, 188 and 189 Fleet-street, London, Eng., *assignee of* Herbert PEARCE, *act. inv.*, and John Ernest BILLINGTON, *act. inv.*, both of Linotype and Machinery Works, Broadheath, Chester, Eng., engineers,

"Improvements in the production of linotypes and apparatus therefor."

14,551. *Comp.* David REID, "Loloma," Black-street, Brighton, Vic., publisher,

"An improved milling cutter for planing stereo columns and forming their undercut projections."

14,552. *Prov.* George William GREEN, "Lion's Lair," Woy Woy, N.S.W., carpenter,

"Improvements in aeroplane machines."

14,553. *Prov.* James SINCLAIR, Macrossan-street, South Townsville, North Qld., shipwright,

"The Australian sun-dial."

Wednesday, 19th May.

14,554. *Prov.* Thomas Frederick BROWN, 16 Linda-street, Coburg, Vic., cabinet maker,

"Improvements in the construction of metal frame work for chairs, couches, sofas, settees and other like articles of furniture."

14,555. *Prov.* David NABLE, Yule-street, Dulwich Hill, N.S.W., tailor,

"An improved saddle."

14,556. *Prov.* Albert WATKINSON, Mollison-street, Kyneton, Vic., plumber,

"A cradle for closet pans or other cans."

14,557. *Prov.* Patrick Louis HARKIN, "Mount Pleasant," Belmore-road, Deepdene, Vic., engineer,

"Improvements in milking machines."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1909.

13,423. Billington, H. G. R. Balo-street, Moree, *N.S.W., nominee of H. G. R. Billington, senior.*

13,430. Grothe, A., & Carter, H. F.
Process and apparatus in filtering and washing mixtures of solid and liquid ingredients such as slimes, pulp and the like.

13,931. Miller, J. W., & McKerihan, J. R.
An improved butter cutter.

13,963. Bawden, E. G.

13,980. Butler, W. J.

14,058. Jarmain, J. W. H. A.
Prickly pear destroyer.

14,074. Sindell, R. S., & Lee, N. R.
Automatic air supply valve and metal piping attachable to air cylinder of tram, railway or motor cars, and other vehicles.

14,107. Berry, G. W.
Improvements in closets or commodes.

14,128. Crowley, C.

14,130. Olsen, P., & Abell, E. G.

14,131. Devine, W. W.

14,137. Tomlinson, G.

14,147. Halley, E.

14,169. O'Beirne, H.

14,177. Deane, L. D.

14,208. Gruin, H. A. (Tomlinson & Blyth)

14,211. Wright, O.

14,226. Adamson, Mary

14,228. Millar, F. R.

14,229. Hannam, W. H.

14,230. McKay, W.

14,231. Floessell, W. F.

14,237. Osborn, S. S.

14,258. Danne, R. V., & Miller, H. H., *417 Punt-road, Richmond, Vic.*

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

12,251. Frederick Edward Darling, 381 Little Collins-street, Melbourne, Vic., manufacturer,

"An improved fluid for plating or coating articles with silver." 14th May, 1909.

12,256. May Brothers and Company Limited, Blanch-street, Gawler West, S.A., engineer and ironfounder, *assignee of* Matthew Richard May, *act. inv.*, Gawler West, S.A., painter,

"Improvements in false combs for grain stripping and harvesting machines." 14th May, 1909.

12,258. William McEachern, Rosewood, N.S.W., civil engineer,

"Improvements in lifting jacks and the like." 17th May, 1909.

12,293. Ehrenreich Phillip Andreas, "Leuralla," Leura, N.S.W., gentleman,

"Improvements in contact beds for the bacterial treatment of sewage products, and distributors for use therewith." 19th May, 1909.

12,333. Richard Arthur Bradbury, Christchurch, Canterbury, N.Z., oilskin clothing manufacturer,

"Improvements in waterproof garments." 19th May, 1909.

12,679. Michael William Hardy, Narrabri, N.S.W., stonemason and contractor,

"Rubbed faced marble and stone concrete for building, paving, monumental and decorative work, and for such other purposes for which marble and stone are used." 17th May, 1909.

12,835. Herbert Edwin Bingham, 9 Louisa-street, Summerhill, N.S.W., electrician,

"Improvements in and relating to the means employed for electrically intensifying and transmitting sound." 14th May, 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

11,982. Mangnall, J.
11,985. Risstrom, E. O.
11,986. Dyason, J. P., & Gerlach, B.
11,989. Davis, T. H.
11,990. Lawless, T. J.
11,992. Lungley, C. F.
11,994. Laurence, C. A.
11,996. Blue, W.
11,997. Stewart, J.
11,998. Watkins, A. H., & Whitford, R.
12,000. de Witt, G. C.
12,001. Morris, P. A., & Osborn, H. J. M.
12,002. Clark, J.
12,003. Flew, T. D.
12,005. Browne, J. R., & McNaught, J.
12,006. Sim, W.
12,009. Townsend, A. R.
12,014. Walkerden, W.
12,019. Stevenson, G. & J., & Perry, V. A.
12,021. Taylor, W. C.

Applications Abandoned, Withdrawn, &c.

1908.

10,684. *Comp.* (*Lapsed.*) David KELLOCK, Aligator Creek Meat Works, Townsville, Qld., engine-driver,

"Water jacket furnace for sugar mill boilers."

10,685. *Comp.* (*Lapsed.*) David KELLOCK, Aligator Creek Meat Works, Townsville, Qld., various,

"Compressed air engine supplying its own motive power."

10,716. *Comp.* (*Lapsed.*) Charles Grindell HURREY, 92 Victoria-road, Auburn, Vic., mechanic,

"A rotary electric flayer."

10,763. *Comp.* (*Lapsed.*) Joseph Lindsay SCHMIDT, "Li Sava," N. S. Head-road, Rushcutter Bay, N.S.W., chemical engineer,

"Apparatus for generating, washing, cooling and storing acetylene."

Assignments Registered.

1906.

5849. "Improvements in or relating to signalling on railways."

Assignment of the whole *by* THE WESTERN SYNDICATE LIMITED *to*

THE RAILWAY AUDIBLE SIGNAL COMPANY LIMITED. Dated 19th Mar., 1909. Registered 11th May, 1909.

1907.

7711. "Improvements in or relating to signalling on railways."

Assignment of the whole *by* THE WESTERN SYNDICATE LIMITED *to*

THE RAILWAY AUDIBLE SIGNAL COMPANY LIMITED. Dated 19th Mar., 1909. Registered 11th May, 1909.

8834. "Improved straw hat."

Assignment of the whole, excepting the State of Queensland, *by* Emily WOOD to

Herbert Harrison VARLEY. Dated 15th Jan., 1909. Registered 11th May, 1909.

1908.

11,803. "Improvements in and relating to manifold copying books."

Assignment of the whole *by* Arthur RAU *to*

Charles Gorman Cusack WHYTE. Dated 15th Dec., 1908. Registered 11th May, 1909.

Licence Registered.

1907.

9935. "Improved rim or wale for horse collars."

Licence granted *by* William Hardwick *to* William Player Bice and Arthur Harold Guthridge, trading as Guthridge and Company, for the State of Victoria, and for the towns of Albury, Howlong, Corowa, Mulwala, Tocumwal, Moama, Mathowra, Deniliquin, Balranald, and Wentworth, in the State of New South Wales, for the unexpired term of patent. Dated 16th Apr., 1909. Registered 11th May, 1909.

Specifications open to Public Inspection before Acceptance,

under Sec. 121, "Patents Act 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

14,431. Dr. Lazar Edeleanu, 15 Strada Sf. Constantin, Bucharest, Roumania, chemist,

Application under Sec. 121.

[Date applied for 22nd May, 1908, being date of application in Germany.]

"Improvements in purifying crude petroleum, or petroleum products, or distillates."

14,528. James Wyndham Meek, 32 Albert-road, Stroud Green, London, N., Eng., photographic apparatus manufacturer, and David Brown Thomas, 119 & 120 Finsbury Pavement, London, E.C., Eng., merchant,

Application under Sec. 121

[Date applied for 22nd May, 1908, being date of application in G.B., No. 11,162/08. Application also made in U.S.A., 16th Feb., 1909.]

"Improvements in daylight developing apparatus."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

Corrigenda.—In No. 18, p. 371, *for* 13,183. Astrom *read* 13,183. Anderson; on p. 377 *for* 13,183. Astrom *read* W. M. A. Anderson.

1908.

11,469. Hadida.
11,477. Kirkby.
11,480. Elliott.
11,492. Russell.
11,501. Green.
11,522. Barrett.
11,597. Kirkby.
11,694. Ponninghaus.
11,725. Lamb.
11,901. Sutherland.
11,987. Nance.
12,512. Marshall.
12,763. Horwood.
12,891. Lyttleton.
12,993. Millar.
13,126. Larsson.
13,168. Scherl.
13,180. Stowe.
13,202. Lautenschlager.
13,232. Taylor.
13,246. Brosa.
13,277. Brundrit.
13,286. Dowling.
13,317. Stevens.
13,344. Crittall.
13,362. Yabsley.
13,391. O'Connell.
13,407. Basch.
13,411. Maxim.

1909.

13,449. Sporn.
13,527. McBride.
13,663. Bodycomb.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

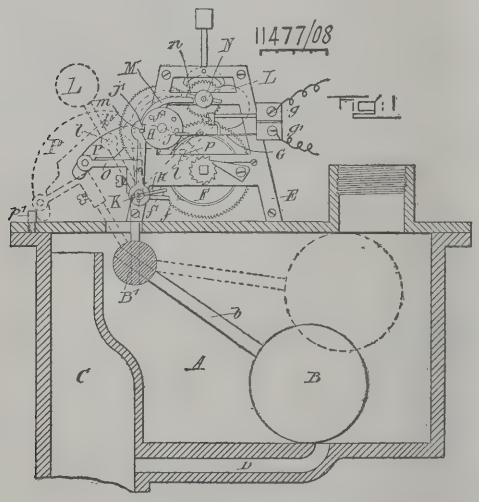
When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

1908.

11,477. 14 May. E. H. Kirkby, N.S.W.

Classes 05.2; 62.1; 88.2; 99.7.

Fire alarm signalling: Water from automatic sprinklers overflowing into cistern with ball float to operate clockwork **E** to break electric contact **C**.

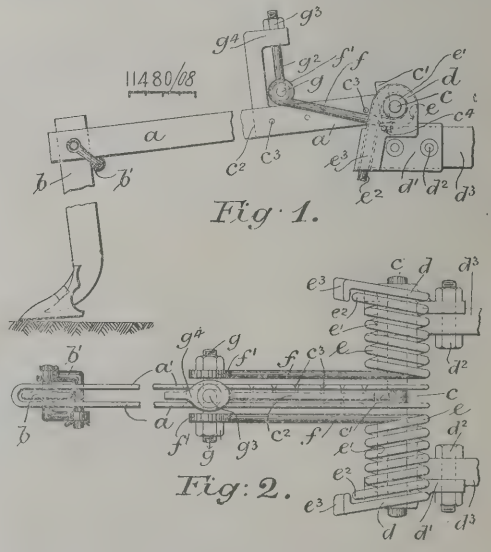


3 figures, 5 claims.

11,480. 14 May. J. A. Elliott and H. Raymond, Western Australia.

Class 30.9.

Homing spring: Resistance coils as **e** and arms as **f** anchored on rising beam.



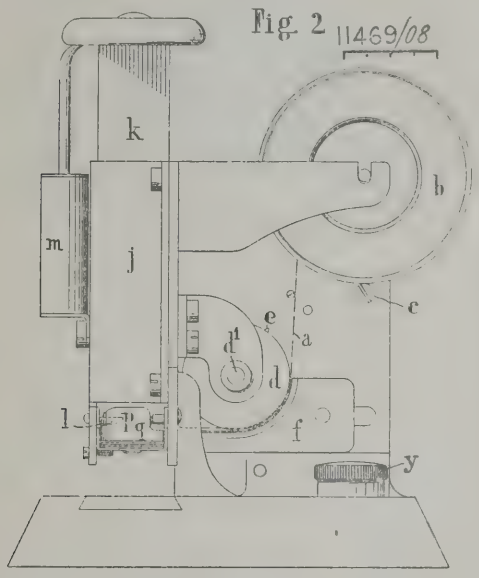
2 figures, 4 claims.

Complete Specifications Accepted—*continued.*

11,469. 13 May. H. Hadida, England.

Class 54.3.

Affixing stamps, labels, &c.: Web carried past roller is cut by shears attached to vertical plunger, moistened by pad, and affixed to letter, parcel, &c.; on return stroke of plunger, which has a checking dash-pot, an arm operates a counting device.

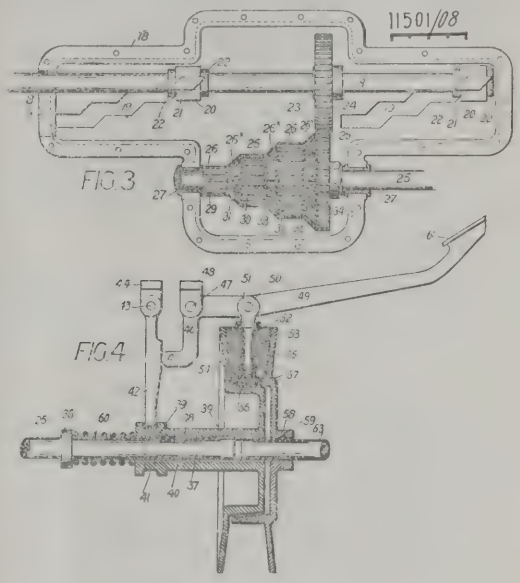


7 figures, 7 claims.

11,501. 16 May. G. W. Green, New South Wales.

Classes 60.2; 62.7; 95.9.

Speed and reversing gear for motor cars: Spur wheel with inclined tooth steps and pinion sliding in stepped guide slots; clutch cones disengaged and reversed by friction pinion **53**.

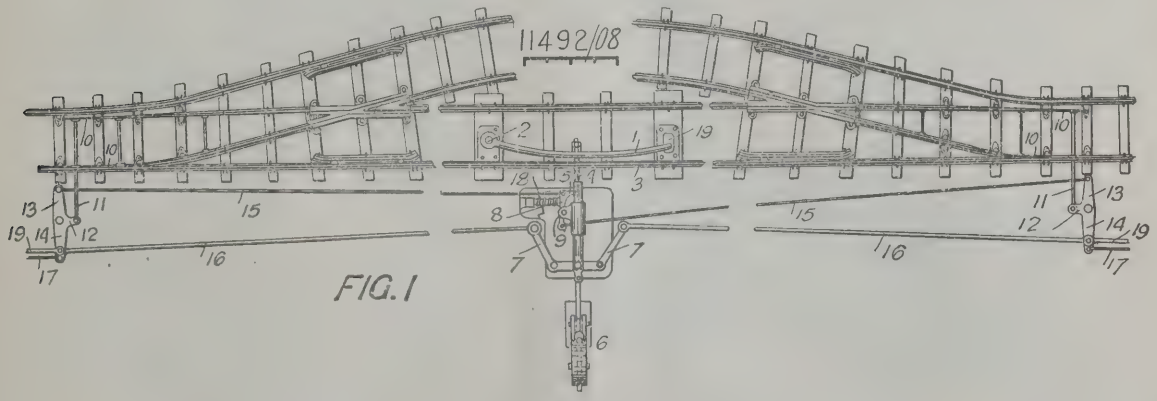


5 figures, 9 claims.

11,492. 14 May. F. Russell, New South Wales.

Classes 98.2; 99.1.

Automatic turn-out for railway stations: Switches at either end leading into a through side track are operated by wheel flanges engaging a tappet lever **1** and locked by a bolt **5**; modifications.



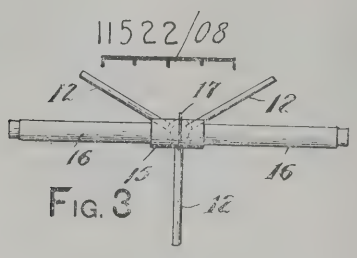
8 figures, 7 claims.

Complete Specifications Accepted—*continued.*

11,522. 18 May. Rebekah BARRETT (T. BARRETT, Victoria).

Class 25.2.

Washing machine: Vertical spindle with radial arms fitted in a copper through a bearing in the cover.

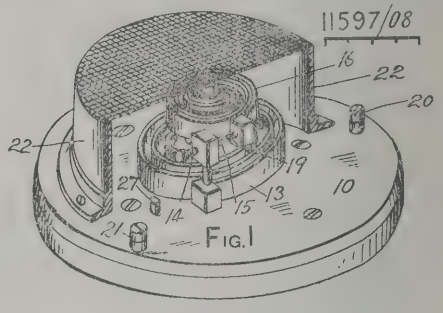


3 figures, 5 claims.

11,597. 28 May. E. H. KIRKBY, New South Wales.

Class 00.7.

Thermostat: Two compound helixes with different expansion rates; adjustable contacts.

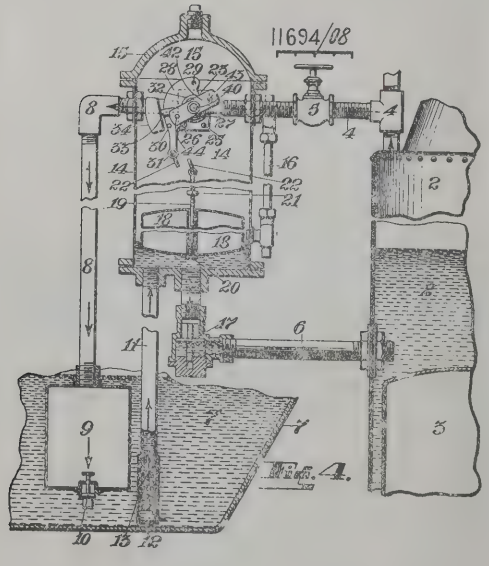


8 figures, 5 claims.

11,694. 11 June. W. B. D. PONNINGHAUS, Victoria.

Classes 63.2; 68.8.

Boiler feeder: Float admitting steam to condenser; vacuum lifts feed water; steam forces water to boiler.

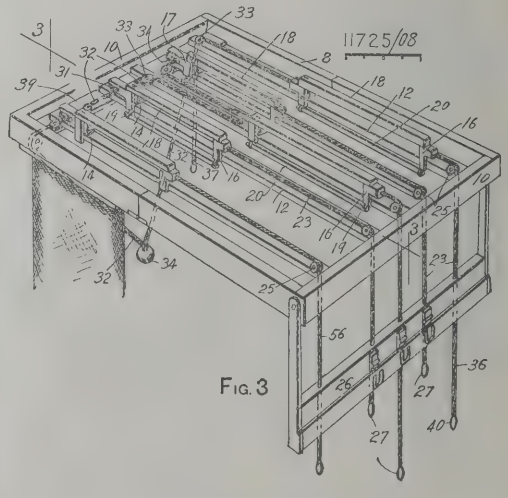


5 figures, 14 claims.

11,725. 15 June. J. G. LAMB and T. H. WHITE, New South Wales.

Class 54.7.

Ceiling rack or frame **10** for displaying and storing curtains: Any curtain is drawn out for inspection by cord **27** hauling trolley running on rail **12**; trolley attached to endless cord and weight **34** which simultaneously returns the curtain previously inspected. Improvement on 11,766/*08*.



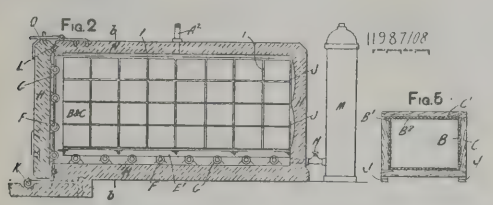
7 figures, 3 claims.

Complete Specifications Accepted—*continued.*

11,987. 15 July. C. W. Nance, New South Wales.

Classes 35.3; 57.2.

Preserving food in CO_2 gas: Packages of oiled paper surrounded by wire frame and strong outer box, pressure and vacuum treatment chamber.

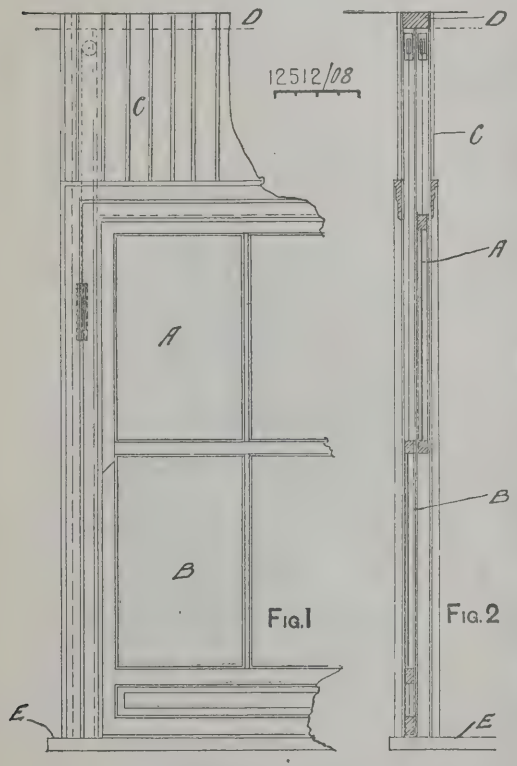


6 figures, 8 claims.

12,512. 15 Sept. P. P. Marshall, Queensland.

Class 81.5.

Window sashes: Sliding up of both sashes into a curtain to secure a maximum of headway.



2 figures, 1 claim.

12,763. 13 Oct. E. J. Horwood, New South Wales.

Class 12.5.

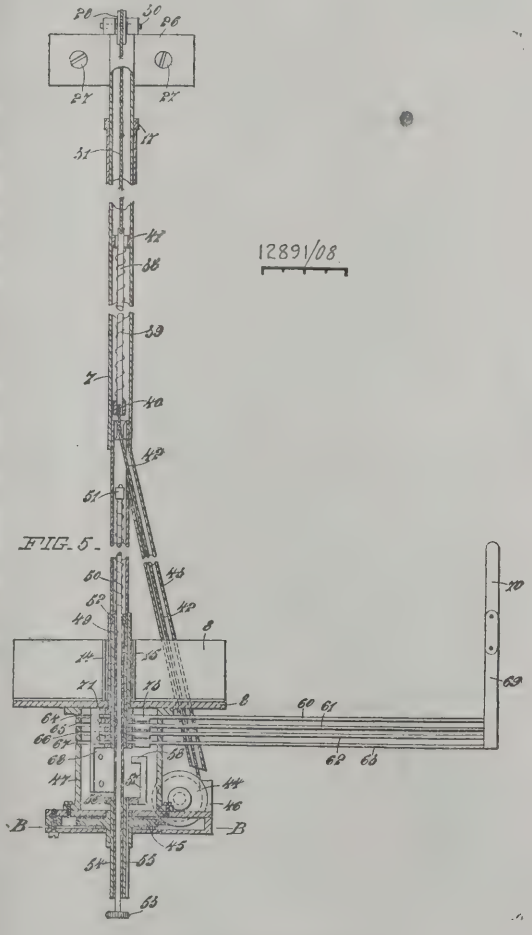
Separating metallic sulphides by flotation: Two flotations and intermediate heating or treatment with chemicals, or both combined, to classify the metallic sulphides.

No drawing, 8 claims.

12,891. 28 Oct. W. R. Lyttleton, New Zealand.

Class 01.8.

Leaf turner: Knee or foot lever and cord controlling spring-operated driver engaging turning arms.



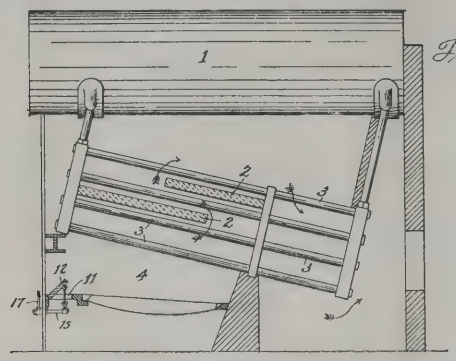
14 figures, 8 claims.

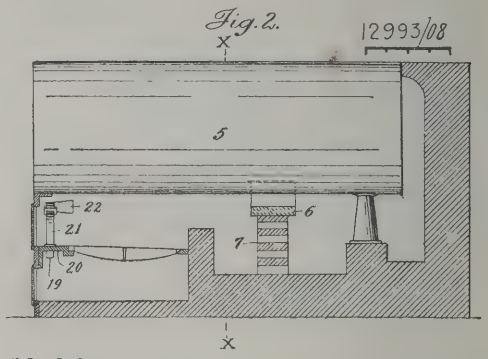
Complete Specifications Accepted—*continued.*

12,993. 7 Nov. F. R. MILLAR, Victoria.

Class 17.7.

Boiler furnace: Hot air supply to fire through door **12** or funnel **22** in dead-plate; air baffles **2** in Babcock type boiler; semicircular baffle **6** and support **7** in fire tube boiler.



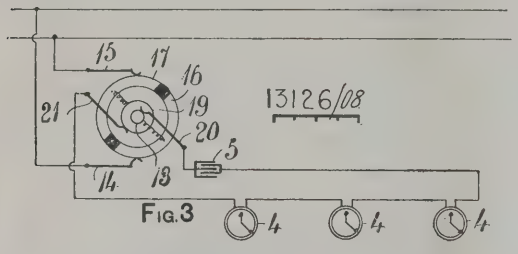


10 figures, 13 claims.

13,126. 25 Nov. G. O. LARSSON, Sweden.

Classes 00.1; 02.8.

Electric secondary clocks: Operated by condenser charge and discharge, eliminating sparking.

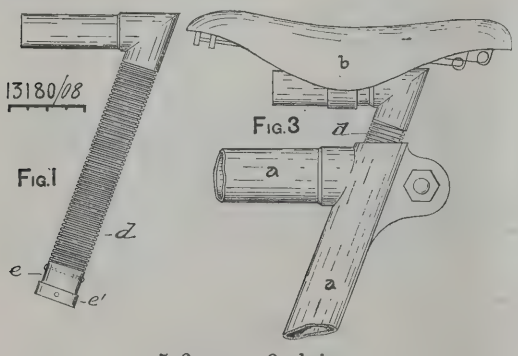


3 figures, 7 claims.

13,180. 1 Dec. F. E. STOWE, N. S. Wales.

Class 94.3.

Seat for bicycle: Screw threaded saddle pillar.



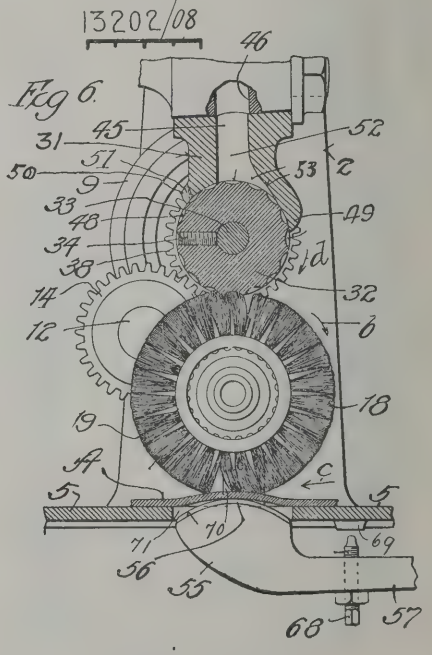
5 figures, 2 claims.

13,202. 4 Dec. W. F. LAUTENSCHLAGER, Ohio, United States of America.

Sec. 121 U.S.A. Serial No. 412,840. 27 Jan., 1908.

Classes 44.5; 79.4.

Cementing edges of boot vamps: Rotary brush with work feed disk and pocket-roller feeder.



8 figures, 4 claims.

Complete Specifications Accepted—*continued.*

11,901. 4 July. J. McK. Sutherland, New South Wales.

Class 81.9.

Operating field gates from a vehicle by a hand wheel on holding-open post, chain or rope geared to a vertical eccentric on hanging-post; a bevel wheel fast on axle of eccentric transmits rotary motion to a vertical spindle, to which the hanging-style of gate is loosely attached.

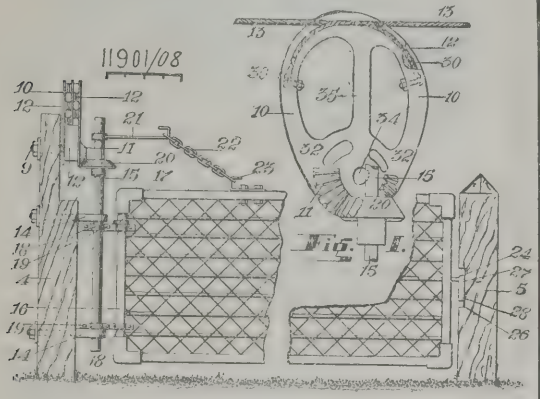


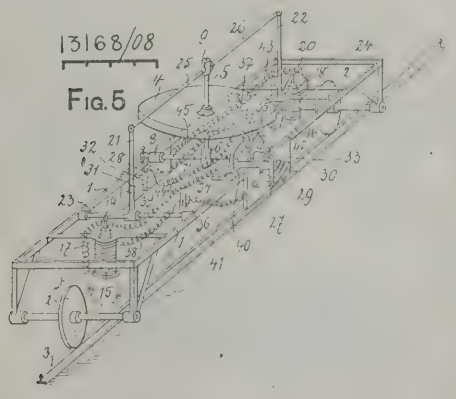
Fig. 2.

4 figures, 3 claims.

13,168. 30 Nov. R. Scherl, Dr. A. Kürth, E. Falcke, and P. Fröhlich, Germany.

Class 61.2.

Gyroscope, mounted in unstable equilibrium controlling unstable vehicles, &c.; 4 modifications.

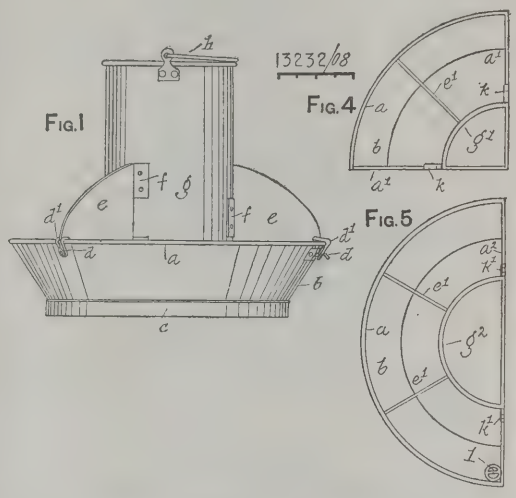


8 figures, 4 claims.

13,232. 9 Dec. A. B. Taylor, Victoria.

Class 37.1.

Pig feeding trough: Circular, semicircular, or quadrantal dish with inwardly sloping sides, clamped by radial partitions to central food chamber, with exits.



5 figures, 5 claims.

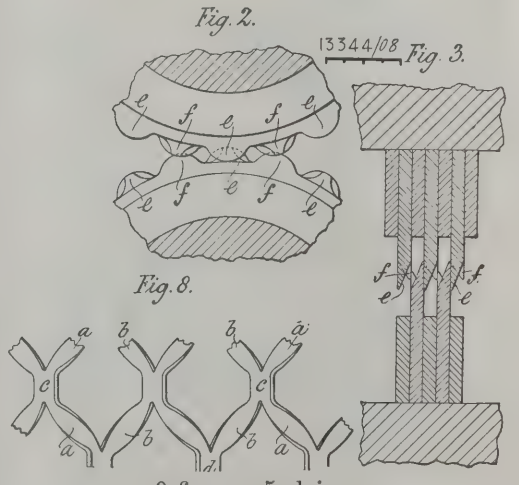
13,344. 16 Jan. F. H. Crittall, England.

Sec. 121. Great Britain No. 1098. 16 Jan., 1908.

Class 73.2.

Expanding sheet metal: Toothed slitting rolls twist the junctions to a helical shape and relieve strains on sheet during spreading.

See G.B. No. 21,083/*05* and Commonwealth 4956/*06*.



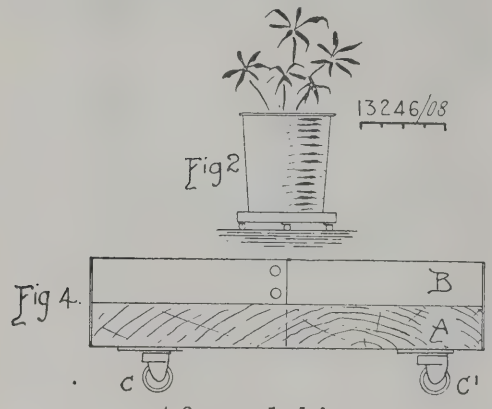
9 figures, 5 claims.

Complete Specifications Accepted—*continued.*

13,246. 9 Dec. B. BROSA, New South Wales.

Classes 25.5; 45.3.

Movable stand for buckets, &c.

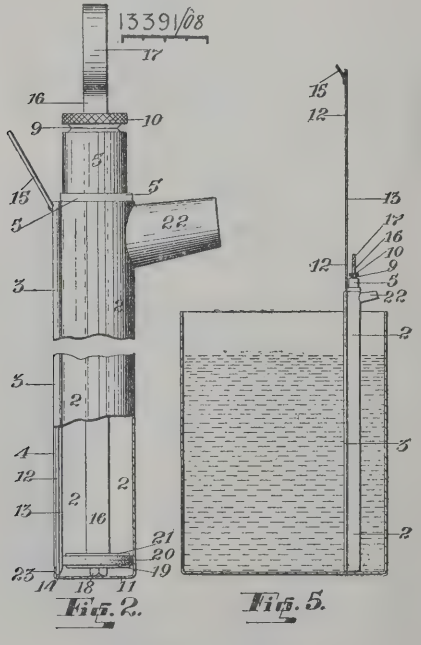


4 figures, 1 claim.

13,391. 29 Dec. E. O'CONNELL, Victoria.

Class 36.2.

Cream sampler having a casing **2** with a flange **3** and a cut-off slide **12**, which, when pulled out, leaves a vertical slot the whole length of the instrument, through which enters the cream which is discharged by the piston **16** through the orifice **22**.

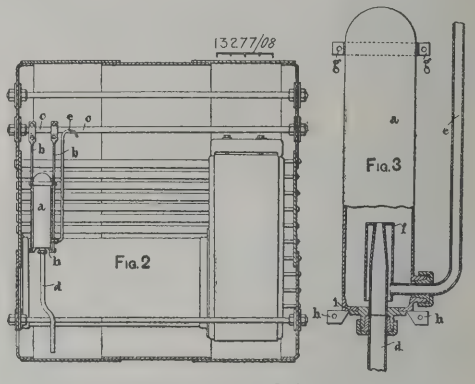


5 figures, 4 claims.

13,277. 14 Dec. J. BRUNDRIT, England.

Classes 63.8; 68.6.

Boiler circulator for equalizing temperature: Pulsator internally attached to boiler and communicating with steam space and bottom of boiler.

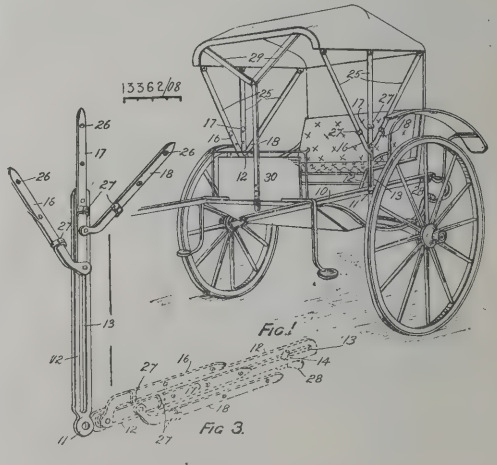


4 figures, 2 claims.

13,362. 24 Dec. W. H. YABSLEY, New South Wales.

Class 93.2.

Frame for collapsible hoods: A pair of slotted carrying arms, fulcrumed on shafts with offset finger-bars pivotally secured and sliding as shown.



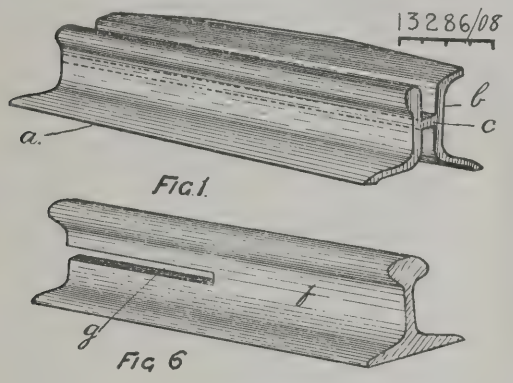
9 figures, 6 claims.

Complete Specifications Accepted—*continued.*

13,286. 15 Dec. A. R. Dowling, Victoria.

Class 98.1.

Boltless fish-joint : Side plates connected by a longitudinal web which slides into slots in rail webs.

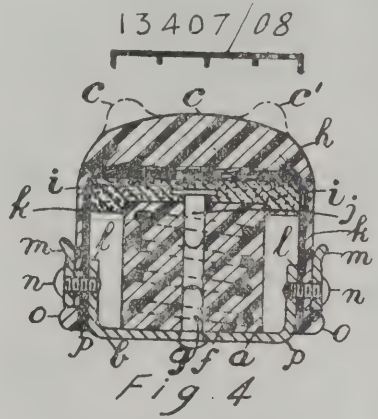


6 figures, 2 claims.

13,407. 30 Dec. S. and R. Basch, England.

Class 97.81.

Tyre formed of rubber blocks carried by pins on wheel rim : Cover drawn over blocks and secured to rim by segmental side rings ; springs may be embedded in blocks.



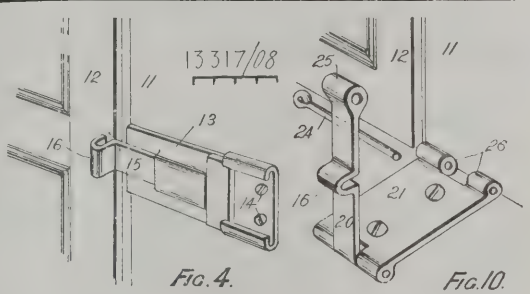
6 figures, 9 claims.

13,317. 18 Dec. H. Stevens, New South Wales.

Classes 36.2; 46.4; 77.5.

Fastener for securing mats, milk cans, on or adjacent to doors, windows, partitions, &c. : The fastener consists of a plate fastened to the jamb or step, &c., and a sliding plate **15** or hinged plate **20** operated by door, which, when closed, prevents articles from being removed.

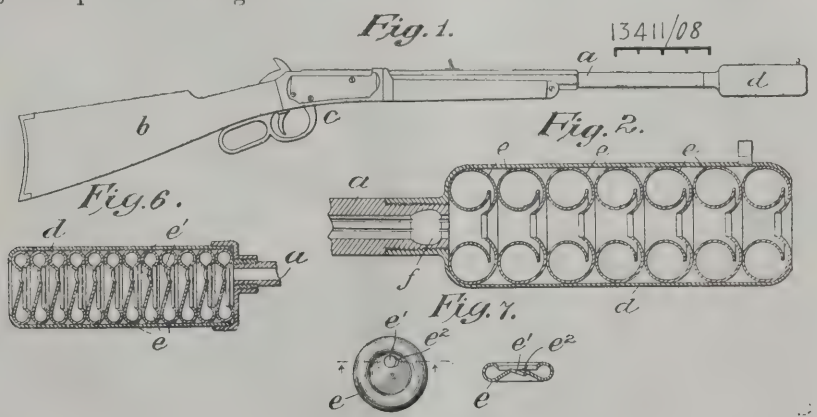
10 figures, 5 claims.



13,411. 30 Dec. Maxim Silent Firearms Company (H. P. Maxim, Conn., U.S.A.).

Class 89.3.

Silencer for gun discharge : Chamber having deflectors clamped together in co-axial alignment through the centre of which the projectiles pass and between which the gases escape directly into surrounding atmosphere. 5 designs.



11 figures, 7 claims.

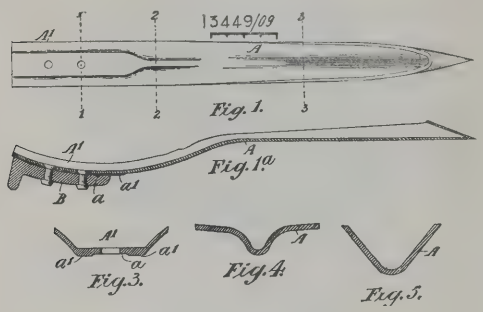
Complete Specifications Accepted—*continued.*

1909.

13,449. 6 Jan. THE BALLARAT TRUSTEES EXECUTORS AND AGENCY COMPANY LIMITED (J. R. SPORN, Victoria).

Class 32.3.

Tooth for combs of strippers: The root A1 is formed of a flat bottom channel section and from thence to the conical point of a variable V section.

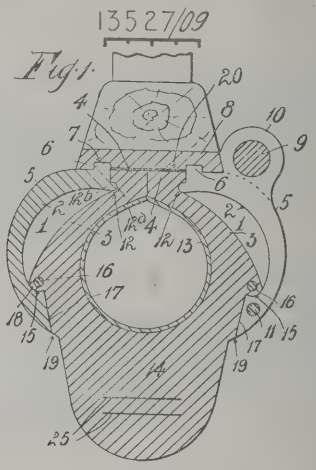


6 figures, 2 claims.

13,527. 15 Jan. T. J. MCBRIDE, New Zealand.

Class 97.83.

Pneumatic tyre with compression spaces in rim casement: Tyre anchored by flanges at back and centre; divided rim casement.

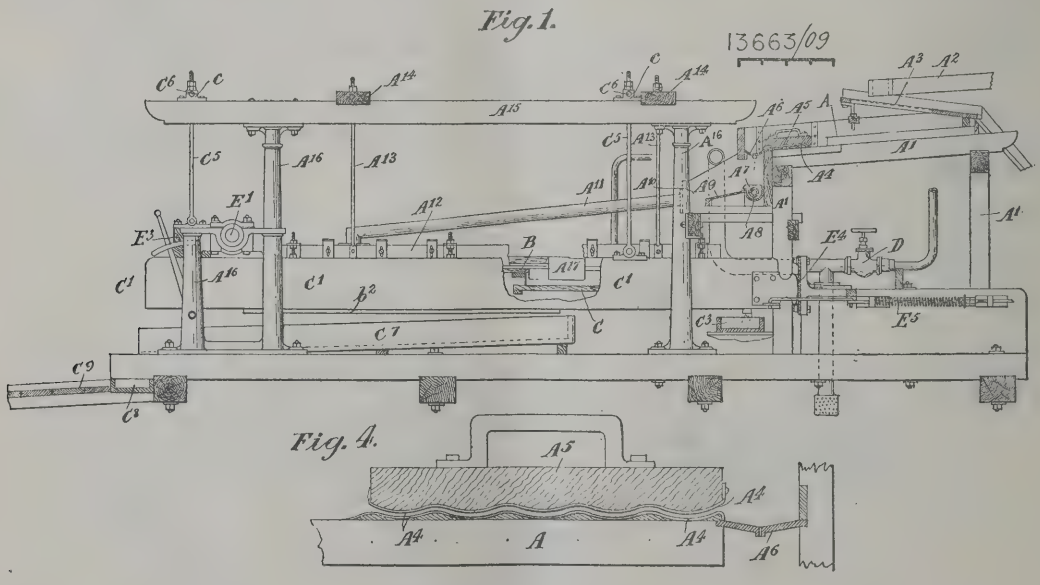


3 figures, 20 claims.

13,663. 2 Feb. A. BODYCOMB, Victoria.

Classes 11.9; 13.2; 13.4.

Goldsaver combination: Upper stationary table having silvered corrugated plates, silvered roller in mercury trough, and suspended double table having riffles, silvered corrugated plates, and finger pieces for regulating the discharge.



8 figures, 6 claims.

Printed Specifications Published.

Vol. 24 comprises Applications from 4600 to 4799, all of which are printed or in a forward state.

Vols. 25 to 45, comprising Applications numbered from 4800 to 8999, are now complete with title pages, &c.

Vols. 46 to 49 comprise Applications from 9000 to 9799; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and a few Specifications numbered below 4600, and many of higher numbers than 9800, have also been issued, for which reference must be made to the Weekly Lists as below, or to the Quarterly Consolidated List on page 266.

The list of branch Patent Offices and Libraries at which the Printed Specifications are placed for *free* public inspection is given with each quarterly list.

Printed Specifications are on sale, price One Shilling each, post free, only by the Government Printer, Melbourne.

1905.

4326-8. Void applications.

4356. W. T. Whiting. *Roof guttering and bracket.* Classes 78.9; 81.4; 83.1.

4375-80, 4404. Void applications.

1907.

8800 to 8999. Vol. 45. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—8809-10, 8812-3, 8821, 8823-30, 8838, 8861, 8879-82, 8918-9, 8921-3, 8948, 8974-6, 8980-1, 8983-5, 8988.

9448-52. Void applications.

9656. J. W. Waring. *Vehicle axle boxes.* Class 93.3.

9735. R. M. Colgate and Others (Ittner). *Shaving soap.* Classes 25.1; 43.7.

9758. H. A. McMaugh. *Weaning muzzle.* Class 39.5.

9795. E. J. Restorck. *Mattress.* Classes 45.2; 46.1.

9813. H. J. Wallace. *Ore filter.* Class 28.2.

9815. J. Owen. *Retailing aerated liquids.* Classes 27.8; 54.7.

9904. Gertrude M. Greaves. *Invalids' bed rests.* Classes 45.2; 87.3.

10,033. D. McKinnon. *Harvester.* Class 32.3.

10,035-7. Void applications.

10,086. W. Barratt. *Sliding seat buggy.* Class 93.2.

10,166. W. J. Macartney and Others. *Clothes props.* Class 25.6.

10,238. The Goldfields Diamond Drilling Co. Ltd. (Winston). *Core producing drill.* Classes 62.7; 85.2.

10,366. W. G. Marr. *Vehicle spring-wheels.* Class 97.6.

1908.

10,751. Void application.

10,917. G. E. Humphries. *Scaffolding.* Class 81.3.

10,922-4. Void applications.

11,138. Manufacturers Machine Co. (Plant). *Boot machines.* Class 44.5.

11,156. C. F. F. Allan. *Water heater.* Classes 24.5; 81.6.

11,235. W. H. G. Geake. *Tennis shirts.* Class 43.3.

11,311. G. Rossi. *Vegetal retting process.* Classes 09.9; 40.1.

11,336. H. Boddington. *Windows, &c.* Classes 78.7; 91.2.

Printed Specifications Published—*continued.*

1908.

11,411. E. R. MAGNUS. *Casting dental inlays.* Classes 70.2; 87.7.
11,437. Void application.
11,438. W. HENRY. *Window sashes.* Class 81.5.
11,462. R. KNOX. *Air inlet for drains.* Class 86.4.
11,487. HOLLOWAY and GILES. *Earth scoops.* Class 84.3.
11,508. W. C. BRAY. *Case for cartnote books.* Classes 48.8; 49.3.
11,510. A. C. ANDERSON. *Agricultural implement.* Class 31.2.
11,511. THE SUN POWER CO. (BRADLEY). *Utilizing solar heat.* Classes 00.4; 00.7; 28.5; 63.1.
11,512. H. J. MARKS. *Building construction.* Classes 18.3; 81.1; 81.2.
11,540. YOURELLE and BELLINGHAM. *Ferro-concrete.* Classes 81.1; 81.2.
11,542. E. E. KING. *Boot uppers.* Class 44.1.
11,550. J. Y. DIXON. *Gate latch.* Classes 77.1; 81.9.
11,566. R. B. SIGAFOOS. *Rotary tunnelling machine.* Classes 60.2; 85.1; 85.5; 85.9.
11,568. I. B. SMITH. *Self-playing musical instruments.* Classes 01.2; 01.6; 02.1.
11,570. F. E. MARTIN. *Boat launching, &c.* Classes 58.7; 91.4.
11,602. W. F. DUGINS. *Boot fastener.* Class 44.1.
11,656. J. CLARKE. *Electric reversing winches.* Classes 59.1; 62.7.
11,659. J. L. BURNHAM. *Rotary converters.* Class 02.5.
11,684. STUART and SNELL. *Compressing elastic fluids.* Classes 22.5; 61.7; 64.7; 65.6; 69.4.
11,697. C. A. PARSONS and OTHERS. *Search-lights.* Classes 06.6; 22.5; 89.6.
11,707. LUDWIG HUPFELD AKTIENGESELLSCHAFT (FRÖMSDORF). *Mechanical musical instruments.* Class 01.6.
11,713. G. C. SMART. *Friction hoists.* Class 59.1.
11,740. H. W. OBERLIES. *Reinforced concrete pole.* Classes 03.1; 81.2.
11,767. W. L. IMLAY. *Lixiviator.* Classes 14.4; 14.7.
11,770. A. C. MADDY. *Recovering gold.* Classes 12.1; 13.2.
11,779. THE BLOMSTROM MANUFACTURING CO. (LAVIGNE). *Motor vehicles.* Class 95.9.
11,868. G. W. MASCORD. *Power transmission.* Classes 03.8; 95.4.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*12th May, 1909.*			
10,671	18 Jan.	W. J. F. Varley ...	Vic.	Vehicle brake ...	... 762
10,728	28 Jan.	J. W. Duesbury (Custer)	U.S.A.	Casting metal pipes	... 714
10,735	30 Jan.	Gibson Battle & Co. Ltd. (Bragg)	N.S.W.	Dumping bale elevator	... 731

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*12th May, 1909*—continued.			
10,858	18 Feb.	C. H. Noller & P. E. O'Reilly	Qld.	Destroying prickly pear ...	697
10,996	7 Mar.	F. M. Linley	Vic.	Hat ventilation	810
11,378	29 Apr.	F. G. Wiechmann ...	U.S.A.	Treating vegetable albumen	281
12,229	12 Aug.	R. J. Smith & W. S. Lett	N.Z.	Mortice locks	542
12,248	14 Aug.	Babcock & Wilcox Ltd. (Rosenthal)	Eng.	Conveyor chains	559
12,352	29 Aug.	W. P. Bice & A. H. Guthridge	Vic.	Fastening of leggings ...	578
12,389	4 Sept.	F. Mitchell & F. Gunn (Woolliscroft)	Eng.	Belt fasteners	595
12,397	4 Sept.	R. Frew	N.Z.	Bowling game	595
12,401	5 Sept.	F. Lock	N.S.W.	Loose binder and file ...	595
12,417	7 Sept.	G. W. Hunton... ...	N.Z.	Boots and shoes	596
		13th May, 1909.			
10,643	13 Jan.	T. C. Debenham ...	N.S.W.	Lighting &c. gas lamps ...	19
10,743	31 Jan.	F. V. Rylatt	Qld.	Military signalling lamps ...	731
10,900	24 Feb.	Un. Shoe Mach. Co. (Bennion)	Eng.	Presses	745
11,057	16 Mar.	Un. Shoe Mach. Co. (Ashton)	U.S.A.	Boot assembling machine ...	810
11,058	16 Mar.	Un. Shoe Mach. Co. (Ashton)	U.S.A.	Pulling-over machines ...	794
11,485	14 June	Lamson Paragon Supply Co. Ltd. & G. H. Robinson	Eng.	Document files	338
12,412	7 Sept.	Friese-Greene Patents Ltd. (Friese-Greene)	Eng.	Cinematograph apparatus ...	596
12,414	7 Sept.	W. F. Ring	U.S.A.	Forming anvils	596
12,437	8 Sept.	W. H. Waters (Spalckhaver)	U.S.A.	Pasting machanism for web printing machines	597
12,818	20 Oct.	J. de Irábien	Argentine	Air currents turbine ...	696
		15th May, 1909.			
10,893	24 Feb.	H. Stevens	N.S.W.	Safety milk cans ...	778
12,362	2 Sept.	A. J. Arbuckle & A. Osborne	S. Af.	Separating comminuted ores	578
12,438	8 Sept.	International Marine Signal Co. Ltd. (Willson)	Canada	Marine signals	597
12,458	9 Sept.	E. Phillips (Chalas) ...	U.S.A.	Recovering nickel from ores	599
	1907.				
12,750	*23 Dec.	W. H. Hooper ...	U.S.A.	Sewing machine channel moistening	680

* Date granted under Sec. 121.

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*17th May, 1909.*			
10,665	17 Jan.	R. H. Deutschmann ...	Germany	Animal serum	358
10,669	17 Jan.	A. F. Bronner, A. A. Quick, & C. J. Spencer	Vic.	Controlling liquid supply ...	762
10,795	7 Feb.	Dorothy W. Dike ...	Vic.	Milking buckets	732
10,832	13 Feb.	T. T. Main & C. W. Nance	N.S.W.	Treating edible substances to arrest decay	110
10,897	24 Feb.	G. Johnson	N.S.W.	Wire mattresses	714
11,769	19 June	P. Sutherland	U.S.A.	Liquid flow regulator ...	423
12,051	23 July	J. Richmond	Eng.	Spades, shovels, forks, &c.	506
12,700	6 Oct.	T. G. Plant	U.S.A.	Sewing machine mechanism	661

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
19,047	Risstrom, E. O. ...	8th Mar., 1916
19,331	Neave, J. H. ...	3rd June, 1916
19,333	Marks, L.	3rd June, 1916
19,375	Sapon Ltd.	18th June, 1916
19,481	Marconi's Wireless Telegraph Co. Ltd.	16th July, 1916
19,502	Darlington, T. ...	18th July, 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1899.

No.	Name.	Paid up to—
5135	Edwards, T.	28th Aug., 1910

1901.

No.	Name.	Paid up to—
6019	Genn, W. and W. H. ...	21st May, 1910
6187	Sprang, F. H. ...	30th Aug., 1915

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Further information and particulars obtainable from **EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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"Improvements in manually operated apparatus for casting curved stereotypes,"

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"Improvements in apparatus for casting curved stereotypes,"

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"Improvements in printing machines,"

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14. On application to amend specification. After sealing	3	0	0
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44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0

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Vol. 10.] 1909. [No. 25.
(WITH SUPPLEMENT).

Tuesday, 6th July.

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THE

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Notices.

Applications Received, 14,915 to 14,981.

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States Proceedings.

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"Improvements in or relating to the wheels of motor and other road vehicles,"

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Further information and particulars obtainable from—**EDWARD WATERS AND SONS, Patent Attorneys, of Nos. 414-418 Collins Street, Melbourne, and 7 Moore Street, Sydney.**

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The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS,** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some inventors imagine they can save money by preparing their own Specifications, &c. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & HASSEL,** a firm of standing and experience.

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The Australian Official Journal of Patents

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All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

CONTENTS.

	Page
Notices—	
Payment of Acceptance and Sealing Fees	501
Official Circulation	501
Commonwealth—	
Applications Received	502
Provisional Specifications Accepted	506
Complete Specifications after Provisional	506
Applications (Prov.) Lapsed	507
Assignment Registered	507
Specifications open to Public Inspection before Acceptance	508
Complete Specifications Accepted	509
Illustrated Notes	509
Printed Specifications	515
Printed Specifications Published	518
Letters Patent Sealed	520
Commonwealth—*continued.*	
Application in respect of which a Complete Specification has been accepted, but on which no Patent has been Sealed	522
Victoria—	
Renewal Fee Paid	522
Queensland—	
Renewal Fees Paid	522
South Australia—	
Renewal Fees Paid	523
Western Australia—	
Renewal Fee Paid	523
Tasmania—	
Renewal Fee Paid	524
Assignment Registered	524

NOTICES.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

Official Circulation.

The *Australian Official Journal of Patents* is available for free public inspection at the Customs Offices in Sydney, Brisbane, Adelaide, Perth, and Hobart on the arrival of the first post after its publication at the Patent Office in Melbourne. Complete files are posted to Government Patent Offices in all parts of the world, and to a large number of Public Libraries and Technical Institutions in the principal cities of Australasia, Great Britain, Europe, America, Africa, and Asia. The *Journal* may also be inspected at the offices of many technical periodicals to which copies are sent in exchange.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 24th to 30th June, 1909.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application differ in the accepted documents from that given in the following List of Applications, the correction will be made in the advertisement of the acceptance of the Specification.

Tuesday, 22nd June.

Omitted Application.

14,970. *Prov.* William Edward MEPHAM, "Oberon," 34 Corunna-road, Stanmore, N.S.W., master mariner,

"Improved means for operating the bottoms of trucks usually used in the handling of coal and like substances."

Thursday, 24th June.

14,915. *Prov.* Samuel EWING, commercial traveller, care of T. C. Allen, 127 King-street, Sydney, N.S.W.,

"An improved device for determining the sex of the embryo contained in eggs."

14,916. *Prov.* Samuel EWING, commercial traveller, care of T. C. Allen, 127 King-street, Sydney, N.S.W.,

"An improved aerial machine."

14,917. *Prov.* William Henry BLAKE, Rushworth, Vic., labourer,

"Improvements in attachments for agricultural drills, fertilizers, and the like."

14,918. *Prov.* Frederick James WIGMORE, Pall Mall, Bendigo, Vic., miner,

"Improvements in nut locks."

14,919. *Comp.* Giovanni MARCHESI, Leichardt, Vic., labourer,

"Improvements in and relating to vehicle brakes."

14,920. *Prov.* Murray Francis EDWARDS, "Corona," Malakoff-street, Caulfield, Vic., and Michael McGINNESS, 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved wire strainer."

14,921. *Prov.* Murray Francis EDWARDS, "Corona," Malakoff-street, Caulfield, Vic., and Michael McGINNESS, 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved wire strainer and knot maker."

14,922. *Prov.* George Charles EMERSON, 20 Moore-street, St. Kilda, Vic., paper ruler,

"An apparatus or attachment for use with ordinary automatic ruling machines to rule mitred margin line paper."

14,923. Charles RANSOM, Meadow View, Cavendish-road, Merton, Surrey, Eng., engineer,

Application under Sec. 121.

[Date applied for 1st Oct., 1908, being date of application in G.B., No. 20,725/08.]

"Improvements in and relating to billiard cues."

14,924. *Prov.* Arthur Harry WRIGHT, Grahamstadt, Harvey-street, Malvern, Vic., commercial traveller,

"Improved means for displaying matter for advertizing & other purposes and the like."

14,925. *Prov.* Robert Kenneth BALCARRAS, Palms Estate, Mackay, Qld., engineer,

"Improved water wheel."

14,926. *Prov.* Helena Constance TREMLETT, 120 Addison-road, Marrickville, N.S.W., widow, domestic duties,

"Household liniment."

Applications received, 24th to 30th June—*continued.*

14,927. *Prov.* Charles Henry McEuen, 97 Cannon-street, London, Eng., and 3 Spring-street, Sydney, N.S.W., merchant,

"Improved ventilating shaft support."

14,928. *Prov.* Eustace Clifford Johnson, 75 Boulevard, Dulwich Hill, N.S.W.,

"Break of gauge for railways."

14,929. George Hutchinson, 132A Worcester-street, Christchurch, N.Z., inventor.

Application under Sec. 121.

[Date applied for 30th June, 1908, being date of application in N.Z., No. 24,588/*08*.]

"Improvements in weighing apparatus."

14,930. *Prov.* Dugald Scrutton Campbell Buchan, 533 Collins-street, Melbourne, Vic., farmer,

"An improved chaff cutting machine."

14,931. *Comp.* William Henry Colwill, *act. inv.*, 76 Grenville-road, Plymouth, Eng., master carpenter, and John Colwill, *assignee*, Landsborough-road, Timaru, N.Z., gentleman farmer,

"Sound proof box, for telephone and other purposes."

Friday, 25th June.

14,932. *Prov.* John Williams George, 465 Church-street, Richmond, Vic., coach-builder, and Richard Terence Kelly, 25 Waltham-street, Richmond, Vic., engineer,

"An improved movable cover and tail board for garbage carts and such like."

14,933. *Prov.* William Henry Grant, Campbell-grove, Northcote, Vic., miner, and Edward Ryan, 407 Collins-street, Melbourne, Vic., electrical engineer,

"Improved candlestick."

14,934. *Prov.* Frederick Joynson, March-street, Maryborough, Qld., engineer,

"An improved steam generator."

14,935. *Prov.* Abraham Andrew, Edillillie, *viâ* Port Lincoln, S.A., farmer,

"Shoot cutting machine."

14,936. *Comp.* Bernard Dixon Bruning, 513 Hay-street, Perth, W.A., engineer,

"Auto electric heat and fire alarm."

14,937. *Prov.* John James Francis, Sussex Arms Hotel, 380 Oxford-street, Paddington, N.S.W., barman,

"Improved air ship."

14,938. *Prov.* Joseph Ledger Ward, *act. inv.*, West Wallsend, near Newcastle, N.S.W., Thomas William Kennaway, *assignee*, Killingworth, near Newcastle, N.S.W.; and Alfred Goninan, *assignee*, Wickham, near Newcastle, N.S.W., engineer,

"Improved cable grip for skips and the like."

14,939. *Prov.* John Robert Allan, *act. inv.*, Maitland-road, Islington, near Newcastle, N.S.W., locomotive fitter, and Alfred Goninan, *assignee*, Albert-street, Wickham, near Newcastle, N.S.W., engineer,

"Improved rail joint."

14,940. *Comp.* Alfred George Jackson, Stephens-road, South Brisbane, Qld., electrician,

"Improvements in thermostats."

14,941. *Prov.* William Henry, Lower Hutt, Wellington, N.Z., late timber merchant,

"Improved method of hanging window sashes and the like."

14,942. *Prov.* Beatrice Mary Ross, Queen-street, Mosman, N.S.W.,

"The improved window guard."

14,943. *Comp.* Percy Wilson, publisher, and Henry Roderick Pike, advertising expert, both of 4 Post Office Chambers, 114A Pitt-street, Sydney, N.S.W., *assignees of* Herbert Arthur Day, *act. inv.*, "Denbigh," Evans-street, Waverley, N.S.W., salesman,

"A pillar perpetual almanac."

14,944. John Pomeroy, formerly of Tay-street, Invercargill, N.Z., now of Capel-street, West Melbourne, Vic.,

Application under Sec. 121.

[Date applied for 13th Aug., 1908, being date of application in N.Z., No. 24,793/*08*.]

"Improvements in steam boiler furnaces."

Applications received, 24th to 30th June—*continued.*

Saturday, 26th June.

14,945. *Comp.* Carl Christian MEINZOLT, 213A New South Head-road, Darling Point, N.S.W., art cabinet maker,

"Improved method of and appliances for stringing pianofortes."

14,946. *Prov.* Edwin SIMS, Bond-street, Benalla, Vic., brickmaker,

"Improved wire cut brick press."

Monday, 28th June.

14,947. *Prov.* Herbert ABBOTT, Broken Hill, N.S.W., mining engineer,

"Improvements in grinding mills."

14,948. *Prov.* Patrick James MCMAHON, Wagin, W.A., contractor, and Thomas Henry NEILL, Traverse-street, Wagin, W.A., machinery expert,

"An automatic target."

14,949. *Comp.* Frederick John HILL, Toogoolawah, Qld., saddler,

"Improvements in knee pads for riding saddles."

14,950. *Prov.* Sidney Marshall STANSMORE, 196 Bulwer-street, Perth, W.A., contractor,

"A new or improved machine for cutting trenches and the like."

14,951. *Prov.* Daniel DAVEY, 76 Donald-street, Footscray, Vic., butcher,

"Skinning machine."

14,952. *Prov.* John EDWARDS, engineer, and William George BOWDEN, battery manager, both care of 437 Collins-street, Melbourne, Vic.,

"Improvements in and connected with pumps for boiler feeding and other purposes."

14,953. *Comp.* John BURGESS, Tarcowie, S.A., blacksmith,

"An improved tine foot and share attachment for ploughs and other cultivating implements."

14,954. *Comp.* Adolf ANGST, Villa Rheingarten, in Schaffhausen, Switz., engineer,

"Improved vehicle wheel."

14,955. *Prov.* Albert Oliver Valentine KNIGHT, Broomehill, W.A., clergyman, and Edwin Llewellyn HOLLY, Katanning, W.A., farmer,

"Kerosene pump grip and opener device therefor."

14,956. *Prov.* Carl Friedrich SIEGERT, 45 Betty-street, Jeppes, near Johannesburg, Transvaal, S. Af., tinsmith,

"Improvements in the treatment of auriferous black sand, concentrates and other like metalliferous materials, for the recovery of the metal contents thereof."

14,957. *Comp.* Alexander ESPLEN, 9 Rumford-street, Liverpool, Lancashire, Eng., consulting engineer,

"An improved fire-bar."

14,958. *Prov.* Chester CAMM, 168 Upper Autumn-street, Geelong West, Vic., fitter,

"Improved means for withdrawing butter from churns."

14,959. *Comp.* Francis Ernest PIESSE, Traverse-street, Wagin, W.A., farmer and blacksmith,

"Improvements in rifle sights."

14,960. *Comp.* Henry Selby HELE-SHAW, *F.R.S.*, 64 Victoria-street, Westminster, London, Eng., consulting engineer,

"Variable stroke fluid machine."

14,961. *Prov.* William BREWSTER, Woodlawn, Coorparoo, Qld., shearing machine expert,

"Improvements in machines for shearing and clipping animals."

14,962. *Prov.* Edward Hampton BROWNE, Clevedon, N.Z., farmer,

"An improved wire-strainer."

14,963. *Comp.* Ernest Orson CARTWRIGHT, Springfield, Ohio, U.S.A., manufacturer,

"Improvements in printing presses."

14,964. *Comp.* Ernest Orson CARTWRIGHT, Springfield, Ohio, U.S.A., manufacturer,

"Improvements in printing presses."

Applications received, 24th to 30th June—*continued.*

14,965. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* The Spirella Co., Meadville, Crawford, Penn., U.S.A., *assignee of the act. inv.*,

"Improvements in machines for making wire garment stays."

14,966. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney, *communicatee of* Linotype and Machinery Limited, 188 and 189 Fleet-street, London, Eng., *assignee of* Herbert Pearce, *act. inv.*, and John Ernest Billington, *act. inv.*, both of Linotype and Machinery Works, Broadheath, Chester, Eng., engineers,

"Improvements in typographical composing and casting machines."

14,967. *Comp.* Arthur William Wall, Roc Motor Works, Aston-road, Birmingham, Warwickshire, Eng., engineer,

"Improvements in or relating to motor attachments for velocipedes."

14,968. *Prov.* Charles Moeschl, 679 Elizabeth-street, Melbourne, Vic., labourer,

"An improved weight driven motor or motive power producing appliance for driving machinery pumps and the like."

Tuesday, 29th June.

14,969. *Prov.* Arthur Frederick Echberg, Tate's-place, off Thistlewaite-street, South Melbourne, Vic., engineer and machinist,

"An improved adjustable nut and pipe wrench."

14,970. *See 22nd June, p. 502.*

14,971. *Comp.* Charles Grindell Hurrey, 92 Victoria-road, Auburn, Vic., engineer,

"An improved cane harvester."

14,972. *Prov.* Victor Richard John Blackham, 533 Collins-street, Melbourne, Vic., traveller,

"An improved transparent cover for the protection and display of butter in boxes."

14,973. *Prov.* Charles William Marshall, 533 Collins-street, Melbourne, Vic., wire weaver,

"An improved crutch."

14,974. *Prov.* Michael Woods, 309 Pigdon-street, Princes Hill, Carlton, Vic., engineer, and Thomas Jefferson Gilbert, 1 Minnie-street, Brunswick, Vic., dealer,

"Improvements in moving machines for dressing rails in situ."

14,975. *Prov.* Henry James O'Neil, Jamieson, Vic., miner,

"Improvements in horse and cattle rugs and the like."

14,976. *Prov.* William McFarline, Ryrie-street, Geelong, Vic., machinery agent; James Dyson, Verner-street, Geelong, Vic., engineer; and Arthur James Warren, Leopold, Vic., machinery expert,

"Improvements in disc stump jumping ploughing and cultivating implements."

14,977. *Prov.* Henry Kershaw Walker, 88 William-street, Melbourne, Vic., mining engineer,

"Improvements in the extraction of tannin and tanning materials."

14,978. *Prov.* Henry Kershaw Walker, 88 William-street, Melbourne, Vic., mining engineer,

"Improvements in the preservation of wood."

14,979. *Prov.* Arthur Harry Wright, Bourke-street, Melbourne, Vic., commercial traveller, and Norman Sinclair McNab, Waiora-road, Caulfield, Vic., electrical and mechanical engineer,

"Improvements in machines for stamping, impressing, embossing, and other purposes for franking and indicating on mail matter and documents."

Wednesday, 30th June.

14,980. *Prov.* Herbert George Smith, late of Okoroire, Auckland, N.Z., farmer, now of Kalomo, North West Rhodesia, Africa,

"Improvements in fencing standards."

14,981. *Prov.* William Wright Anderson, Bellambi, South Coast, N.S.W., jetty employé,

"Deuro composition."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1909.

14,331 Getty, M.
14,366. Addenbrooke, B., and Potts, C.
14,371. Quertier, H.
14,444. Snell, C. F.
14,455. Hamburger, R.
14,473. Selfe, H. J.
14,485. Sheridan, D. G., "*Woodford*," *Roseville-avenue*, Roseville, New South Wales.
14,558. Cottee, A. J.
14,571. Marks, J., & Allport, G. J.
14,576. Hartmann, S.
14,577. Crowle, J. E.
14,578. Hewson, W. H.
14,583. Macgregor, W. P. S.
14,587. Tyrrell, J. C., & Jensen, C. P.
14,588. Un. Shoe Mach. Co. (Bond)
14,589. Un. Shoe Mach. Co. (Engel)
14,596. Stuart, H. A.
14,606. Rogers, C. R.
14,608. Un. Shoe Mach. Co. (Bates)
14,610. Bolton, A. J. J.
14,611. The Clarazite Mfg. Co., Ltd. (Bolton)
14,612. Bedford, A. J.
14,624. Fraser, J. C.
14,625. Manners, W. G.
14,626. Hartmann, S. (Burrell)
14,627. Usher, E., & Preece, C.
14,628. Thiem, W. E.
14,640. Maish, A.
14,645. Siddans, T.
14,647. Roberts, R., & Brebner, A. M.
14,652. Bland, H. W., & Young, J.
14,654. Horne, H.
14,655. Dean, C. E.
14,658. Wunderlich, Ltd. (Wood)
14,664. Rodgers, C. J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1908.

12,320. Norman Sinclair McNAB, Waiora-road, Caulfield, Vic., electrical and mechanical engineer, and Joseph Selby LINK, Collins-street, Melbourne, Vic., consulting engineer,

"Improvements in machines for voting, registering, and tabulating." 24th June, 1909.

12,636. Jeremiah DONOVAN, Redesdale, Vic., farmer,

"An improved lamb tailing appliance, useful for analogous purposes." 30th June, 1909.

12,647. Stephen John PHILLIPS, Winninninnie, S. A., railway ganger,

"An improved cutting and cauterizing device." 29th June, 1909.

12,657. William Gilbert MACARTNEY, Boomerang, Coreen, *viâ* Corowa, N.S.W., labourer,

"An improvement in raising and lowering mechanism for harvesters and strippers and the like." 28th June, 1909.

12,954. William HOY, *act. inv.*, 53 Nickson-street, Surry Hills, N.S.W., labourer; John DOWNES, *act. inv.*, 73 Cleveland-street, Redfern, N.S.W., fireman; and Robert William GRIERSON, *assignee*, 58 Pitt-street, Redfern, N.S.W., town clerk,

"Improvements in smoke consuming and fuel economising apparatus." 25th June, 1909.

1909.

14,182. Albert WATKINSON, Mollison-street, Kyneton, Vic., plumber,

"Improved device for clamping covers on closet pans or other cans." 28th June, 1909.

14,563. Albert Victor PARK, 96 Market-street, South Melbourne, Vic., engineer,

"Improvements in and connected with valves for retaining fluids in containers." 28th June, 1909.

14,946. Edwin SIMS, Bond-street, Benalla, Vic., brickmaker,

"Improved wire cut brick press." 26th June, 1909.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1908.

12,308. Scott, J. L. & E.
12,311. Dugan, Ellen (Corbett)
12,313. McKeon, W. J., & Tutton, G. W.
12,314. Higgins, M. J.
12,319. Smith, W. R.
12,328. Bolton, A. J. J.
12,329. Clark, W. G.
12,331. Batten, W. C.
12,334. Hartnett, J., & Robison, D. M.
12,335. Knight, A. O. V., & Radford, A. E.
12,336. Stronge, A. St. C.
12,337. Batten, W. C.
12,338. Batten, W. C.
12,340. Bryan, J. T.
12,342. Milne, A. M.
12,343. Hull, H. S.
12,344. Gardiner, Florance
12,345. Macdonald, S., & Mitchell, J. R.
12,351. Pratt, G. A.
12,353. Bosch, J. A.
12,354. Tyree, W., & Plucknett, S. G.
12,356. Hughes, Mary
12,358. Morley, G. H.
12,360. Litchfield, A.

Assignment Registered.

1906.

7224. "Improvements in sheep shearing machine."

Assignment of the whole *by* Thomas GRACE *to*

THE COMMONWEALTH SHEEP SHEARING MACHINE PROPRIETARY COMPANY LIMITED. Dated 24th May, 1909. Registered 22nd June, 1909.

Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1909.

14,829. Algernon W. MATTHEWS, 28 Groveland-street, Haverhill, Essex, Mass., U.S.A., roadman,

Application under Sec. 121.

[Date applied for 3rd July, 1908, being date of application in U.S.A., Serial No. 441,836/*08*.]

"Improvements in or relating to machines for use in the manufacture of boots and shoes."

14,835. John Newton BUSELL, 69 Humboldt-avenue, Roxbury, Boston, Mass., U.S.A., inventor,

Application under Sec. 121.

[Date applied for 3rd July, 1908, being date of application in U.S.A., Serial No. 441,845/*08*.]

"Improvements in or relating to machines for use in the manufacture of boots and shoes."

14,898. E. S. & A. ROBINSON LIMITED, Redcliffe and Victoria streets, Bristol, Eng., manufacturer, *assignee;* Edward ROBINSON, *act. inv.*, chairman of said Company; William John BENWELL, *act. inv.*, paper bag maker; Edward Charles GROVES, *act. inv.*, fitter; and George HARVEY, *act. inv.*, fitter, all of 2 Redcliffe-street, Bristol, Eng.,

Application under Sec. 121.

[Date applied for 30th June, 1908, being date of application in G.B., No. 13,892/*08*. Application also made in France, 20th Mar., 1909; Russia, 16/29th Mar., 1909, and U.S.A., 30th Mar., 1909.]

"Improvements in and connected with the manufacture of paper and like bags."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2.

Fees must be tendered in cash or postal note or in money order payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

1908.

11,109.	Amesbury.	12,039.	Forrester.	13,272.	Bancroft.	13,554.	Ryan.
11,567.	Martin.	12,370.	Nowland.	13,359.	Strong.	13,578.	Beale.
11,818.	Jaubert.	12,406.	Blackwell.			13,595.	Henrich.
11,842.	Marr.	12,503.	Phillips.		**1909.**	13,667.	Lockwood.
12,007.	Phizackerley.	12,738.	Stead.	13,431.	Borlase.	13,859.	Parker.
		12,994.	Button.	13,543.	Huth.	13,944.	Wilson.

The accepted specifications may be seen at the Patent Office, Melbourne, the Trade Marks Sub-office, Pitt-street, Sydney, and the Customs Houses at Brisbane, Adelaide, Perth, and Hobart, on payment of the search fee of One shilling; pending the issue of the printed specifications which are in preparation, typed copies may be obtained from the Patent Office, Melbourne, at Sixpence per 100 words (minimum charge, One shilling). Sun prints of drawings will be supplied at One shilling per foolscap folio sheet (8 inches x 13 inches).

Illustrated Notes.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received"; when the particulars have been subsequently altered or varied, they will be reprinted in full with the following illustrated notes.

The class numbers quoted indicate where lists containing references to similar "manners of manufacture" will be found in the Classified Subject Indexes.

When the application is governed by Section 7, 29, 42, 85, or 121, of the Patents Act 1903, or by the Patents Act 1906, or by other circumstances, the particulars are stated.

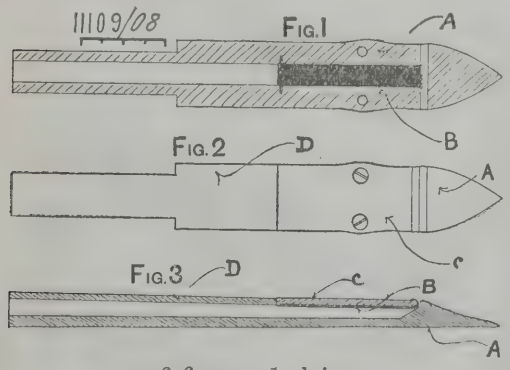
1908.

11,109. 23 Mar. E. P. AMESBURY, New South Wales.

"A blade for injecting poisons into prickly pear and other noxious weeds for their destruction."

Class 31.5.

Instrument for injecting poison into prickly pears; spear head and valve.

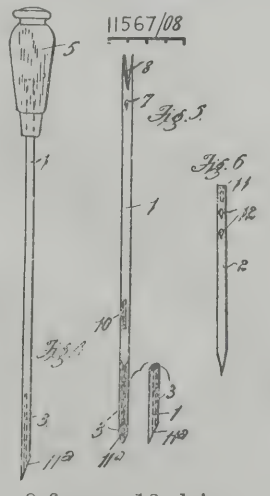


6 figures, 1 claim.

11,567. 23 May. W. A. MARTIN, Victoria.

Class 42.7.

Guiding awl or needle: Flexible wires with one or more eyes and tubular ends for guiding prepared thread ends through awl-holes.



8 figures, 12 claims.

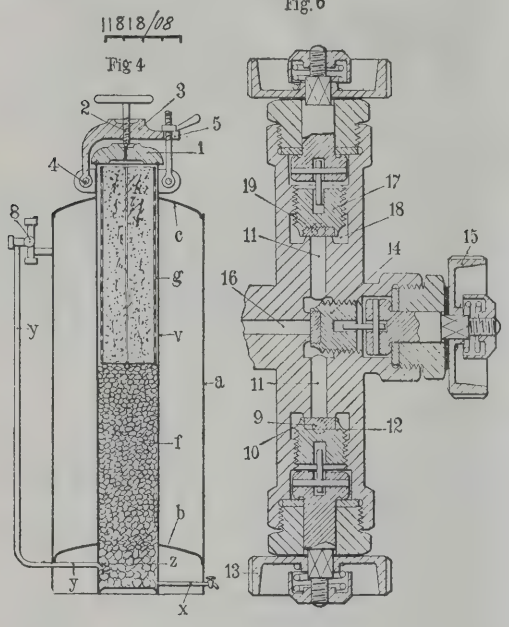
Complete Specifications Accepted—*continued.*

11,818. 24 June. G. F. JAUBERT, France.

Classes 08.6 ; 21.5 ; 21.80 ; 23.7 ; 60.7 ; 74.7.

Gas generator for producing oxygen from perchlorate mixture : Three-way distributing cock, with screw valve in each passage.

Fig. 6



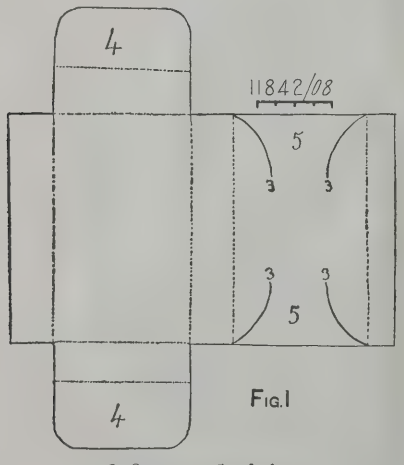
6 figures, 5 claims.

11,842. 27 June. T. C. MARR, Victoria.

"A cardboard box or carton."

Classes 33.4 ; 48.5.

Cardboard box or carton : Two pairs of arc-shaped cuts into which the flaps enter when folded.

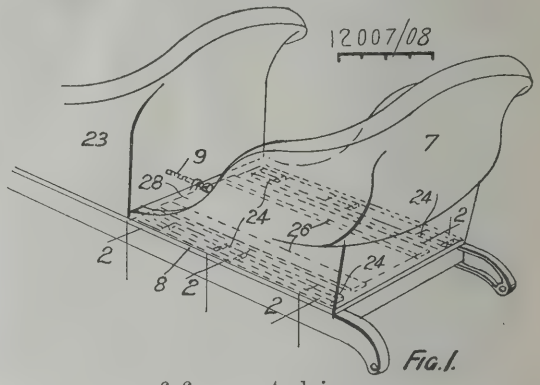


2 figures, 1 claim.

12,007. 20 July. I. PHIZACKERLEY, New South Wales.

Class 93.2.

Attaching car bodies to chassis by means of hand operated feed screw ; the body locks into dovetails.

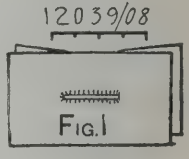


6 figures, 4 claims.

12,039. 22 July. A. H. FORRESTER, Victoria.

Classes 43.1 ; 43.9.

Button-hole renewer : Button-holes worked on pieces of fabric, &c., are stitched into shirts, collars, &c.

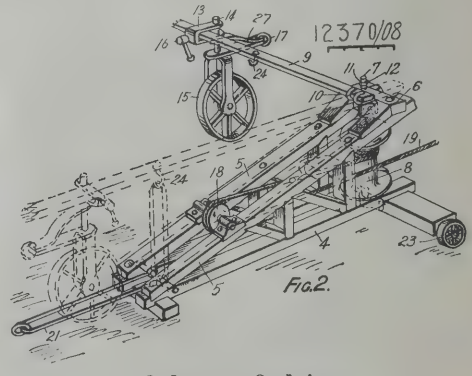


5 figures, 6 claims.

12,370. 2 Sept. D. NOWLAND, New South Wales.

Classes 30.2 ; 59.1 ; 62.8.

Tree leveller : Vertical winding drum at forward end of frame and pulley at rear ; drum operated by capstan lever with wheel at outer end, serving for transportation when swung in line with frame ; the rope is attached to drum, reeved round pulley, and thence passed round a group of trees.



3 figures, 8 claims.

Complete Specifications Accepted—*continued.*

12,406. 7 Sept. E. O. BLACKWELL, Tasmania.

Classes 32.6 ; 32.7.

Pea harvester, thresher, cleaner, and bagger : The crop is first cut by hand ; the machine collects the crop on a travelling hooked belt, delivering to a peg drum situated over a shaking riddle ; an air blast blows away the stalks, and the peas fall through the riddle into a trough ; a screw conveyor carries them to a bucket elevator which delivers into bags.

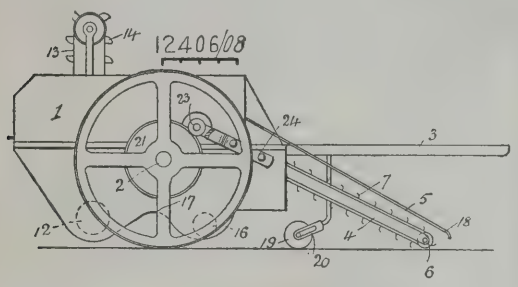


Fig. 1

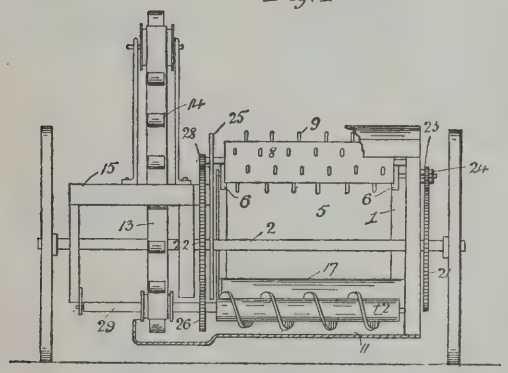


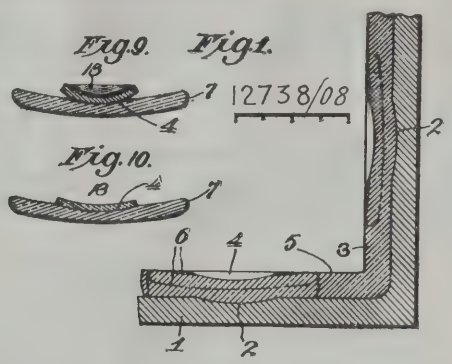
Fig. 2

6 figures, 5 claims.

12,738. 10 Oct. H. J. STEAD, Washington, D.C., United States of America.

Classes 00.4 ; 19.6 ; 87.6.

Making bi-focal lenses by welding : Disks **7** and **13** of crown and flint glass respectively are cut from blown globes, or formed in moulds **1**, having curved surfaces **2** ; to avoid bubbles when welding, the curvature **4** is made flatter in the crown than in the flint glass disk.

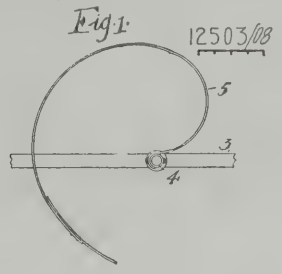


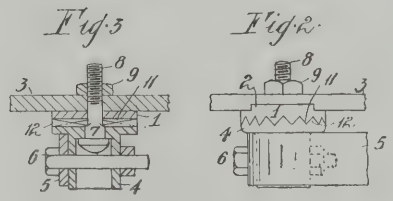
11 figures, 6 claims.

12,503. 14 Sept. M. O. PHILLIPS, Tasmania.

Classes 30.3 ; 31.2.

Adjustably securing spring teeth on cultivators : Radially serrated clamp.





5 figures, 5 claims.

12,994. 7 Nov. H. BUTTON, Tasmania.

Classes 81.1 ; 81.4.

Tiles of malthoid, ruberoid, &c., for walls and roofs : A strip of malthoid is attached to a backing board by suitable cement ; the malthoid overlaps the backing board on two sides, permitting a weather joint to be formed.

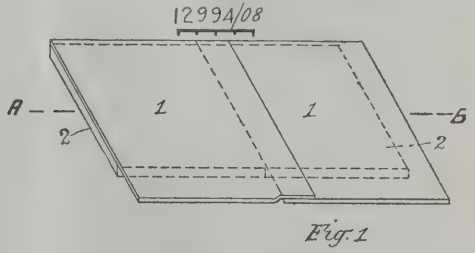


Fig. 1

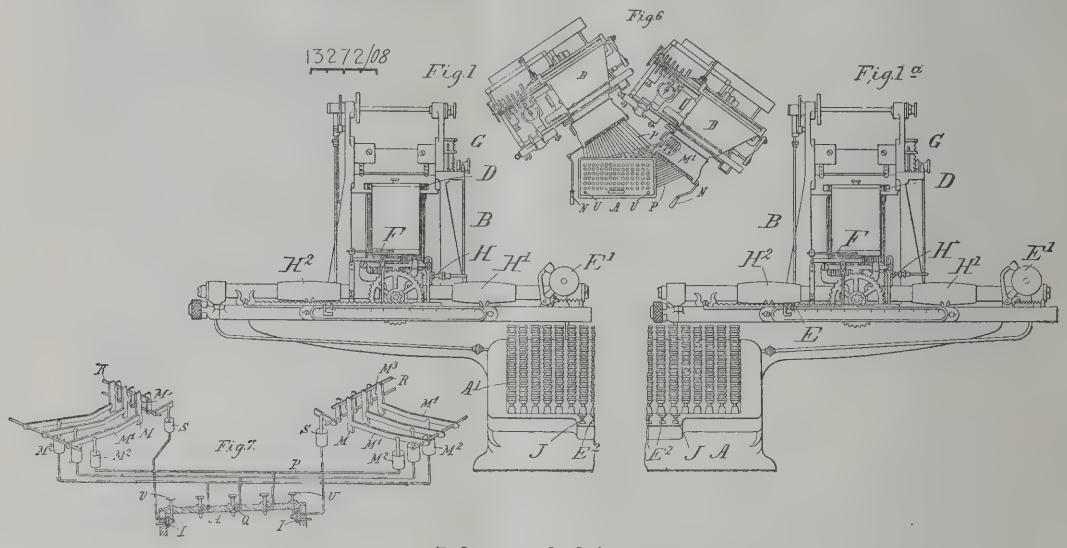
4 figures, 3 claims.

Complete Specifications Accepted—*continued.*

13,272. 14 Dec. MONOTYPE MACHINE (COLONIAL PATENTS) SYNDICATE LTD. (W. BANCROFT, Penn., United States of America).

Class 50.3.

Multiplex composing machine: Simultaneous setting up of copies of matter in lines justified to different measure or in characters of different fount, or both; selective keyboard. See British Letters Patent No. 18,638, 1899; No. 15,545, 1906; and No. 14,582, 1890.



7 figures, 6 claims.

13,359. 24 Dec. J. STRONG, A. HEINRICH, and T. TRAEGER, South Australia.

Classes 85.2; 85.8.

Tubular rock drill: Inside wing or needle to prevent core forming.

6 figures, 3 claims.

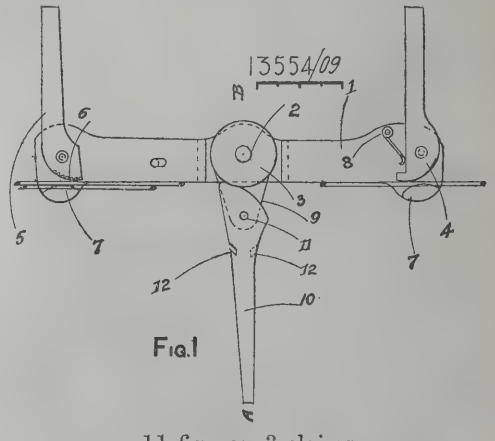


1909.

13,554. 21 Jan. G. RYAN, Victoria.

Class 58.3.

Wire strainer: A bar with cam grip at each end, and centrally pivoted grip lever.



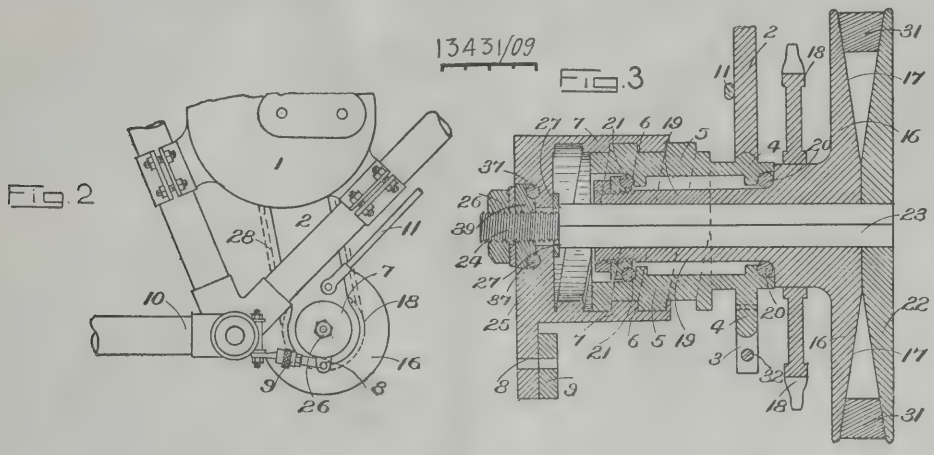
11 figures, 3 claims.

Complete Specifications Accepted—*continued.*

13,431. 4 Jan. W. BORLASE, New Zealand.

Classes 62.7 ; 95.9.

Speed gear for motor bicycles, &c.: Belt pulley expanded by screwed cap **7**, attached to frame by link **9**, when swing arm **2** is pulled forward by rod **11**.



5 figures, 5 claims.

13,543. 20 Jan. W. H. WATERS (M. HUTH, Germany).

Classes 07.5 ; 07.6.

Anodes for electrolysis of acid solutions: Manganese nitrate pressed into moulds and subjected to heat to produce anodes of massive manganese peroxide.

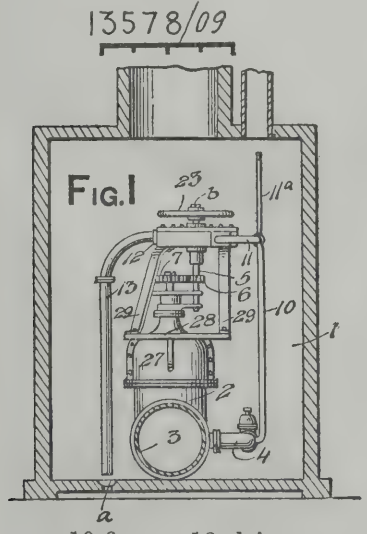
No drawing, 3 claims.

13,578. 22 Jan. C. BEALE and D. P. MOORE, Columbia, United States of America.

Sec. 121. U.S.A., filed 5 Feb., 1908 ; No. 894,105, patented 21 July, 1908.

Classes 67.4 ; 74.7 ; 83.5.

Gate valves: Reversible turbine operating.

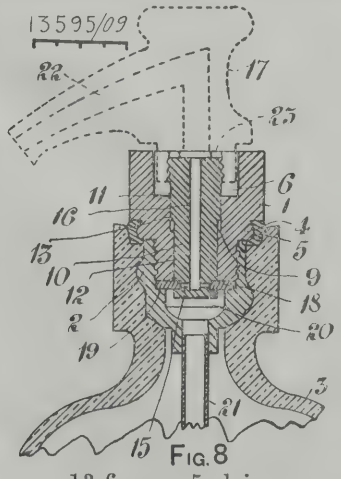


10 figures, 12 claims.

13,595. 25 Jan. J. G. HENRICH, England.

Class 57.5.

Siphon bottle valved stopper: Stopper body made in two hollow parts, and detachably secured ; valve body arranged to move axially, and having a resilient ring held in perforated annular groove, which permits liquid to flow therethrough when tilted by downward pressure of screwed discharge tap ; modifications.



13 figures, 5 claims.

Complete Specifications Accepted—*continued.*

13,667. 3 Feb. A. A. LOCKWOOD and M. R. A. SAMUEL, England.

Class 11.7.

Magnetic separation of ores by adding magnetic or magnetizable substances and an adhesive liquid to non-magnetic ores.

No drawing, 4 claims.

13,944. 8 Mar. W. G. WILSON, Scotland.

Class 29.3.

Water jacketed cooling chamber: Water circulation through porous members, causing cooling by evaporation.

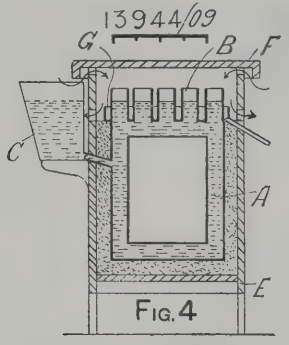


FIG. 4

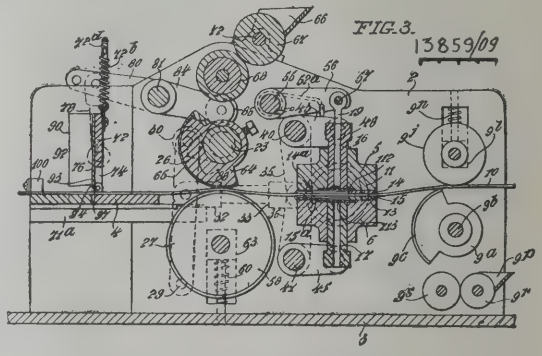
4 figures, 4 claims.

13,859. 25 Feb. A. PARKER, A. G. HUME, J. ROUTLEY, M. ROUTLEY, R. E. MAULEY, and H. D. VICKERY, New Zealand.

Classes 48.3; 50.7; 54.3.

Hand-operated label making machine: By rotation of the handle the paper strip is fed through the machine, being printed on one side, punched, reinforced by adhesive washers, cut to shape, and printed on the other side in its passage.

FIG. 3.



15 figures, 11 claims.

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Vols. 25 to 49, comprising Applications numbered from 4800 to 9799, are now complete for binding with title pages, &c.

Vols. 50 to 53 comprise Applications from 9800 to 10,599 ; between these numbers all the Accepted Specifications are printed or in a forward state.

Some Specifications numbered below 4400, and many of higher numbers than 10,599 have also been issued, and are enumerated below ; for issues subsequent to this date reference must be made to the weekly lists in each *Journal*.

The name following the number is that of a declared actual inventor, or of an applicant. Further particulars may be found by reference to the *Journal* under notices of Applications Received.

1904-5.

VOLS. 1 TO 11.

Nos. 1 to 2199 not yet printed.

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2299. Church
2362. Koledas
2990. Spiral S. T. Cl. Co. Ld.
3228. Clemmensen
3726. Macquisten
4007. L. Wax Vesta Co. Ld.
4025. Cannell
4043. Locking
4128. Macquisten
4174. Newman
4232. Stocks
4284. Gray

4300 to **4399** are printed.

1905-7.

VOLS. 23 to 53.

4400 to **10,599,** see statement above.

1908.

VOL. 54.

10,600. Douse
10,601. Alley
10,603. Stowe
10,606. Newcomb
10,607. Dunnachie
10,608. Huelin
10,609. Mazzolini
10,610. Small
10,611. Livingstone
10,612. Benn
10,614. Silver
10,615. Jackson
10,618. Cook
10,619. Carey
10,620. Sisterson
10,622. Martin
10,623. Harkin
10,624. Griffiths
10,625. Higgins
10,629. Wearne
10,637. Holloway
10,642. Olsen
10,643. Debenham
10,644. Luciani
10,645. Matter

Printed Specifications—*continued.*

1908.

10,647. Boll
10,648. Haggard
10,650. Rosenthal
10,653. Ward
10,654. Carter
10,655. Smith
10,657. May
10,661. Larson
10,662. Cullen
10,663. Needham
10,665. Deutschmann
10,674. Henderson
10,677. Smith
10,678. Moore
10,679. Moore
10,680. Houlden
10,681. Lindenberger
10,682. Highsmith
10,683. Cardwell
10,687. Palmer
10,688. Overbury
10,690. McIver
10,691. Gillette
10,695. Joel
10,697. Hawke
10,699. Cramp
10,700. Martha
10,701. Torkington
10,712. Murray
10,713. Davey
10,714. Brown
10,724. Baruschke
10,726. Holbourns
10,727. Mortensen
10,730. Morter
10,734. Whittaker
10,739. Palmer
10,740. Benjamin
10,744. Fessenden
10,748. Reynolds
10,749. Doggwyler
10,750. Stewart
10,752. Davidson
10,753. Davidson
10,754. Halliday
10,756. Oatway
10,758. Ramsay
10,766. Searle
10,767. Beamish
10,768. Moore
10,772. Shuman
10,773. Stuart
10,774. Müller
10,779. Bleeck
10,780. Hoelle
10,782. Hayes
10,784. Nightingall
10,786. Breker
10,787. Winn
10,790. Ericsson

Vol. 55.

10,802. Bottrell
10,803. Pedersen
10,805. Turner
10,806. Humphrey
10,807. Berry
10,808. Dobbs
10,810. Laigle
10,811. Holbourns
10,812. Holbourns
10,813. Horst
10,815. Wright
10,816. Sturgess
10,817. Hodder
10,820. Perocchio
10,824. Gaut
10,826. Morgan
10,832. Main
10,833. Nance
10,838. Moss
10,842. Pearce
10,847. Marsh
10,860. Hooker
10,864. Cutler
10,867. Davies
10,868. Ridgway
10,870. de Laval
10,871. Miller
10,873. Quine
10,874. Shortman
10,877. Turnbull
10,878. Ullrich
10,881. Watts
10,885. Lee
10,889. Deunert
10,892. Jahraus
10,894. Rowe
10,895. Delage
10,898. Holdsworth
10,899. Jackson
10,902. Sandell
10,903. Hosmer
10,904. Chauvin
10,905. Purves
10,906. Nicholls
10,909. Munro
10,911. Angus
10,912. Brown
10,913. Thomas
10,914. Bode
10,915. Wilson
10,917. Humphries
10,921. Topp
10,925. Dwight
10,926. Robshaw
10,930. Talbert
10,933. Wass
10,950. Watts
10,953. Winstanley
10,954. Jarrett
10,956. Innes
10,957. Bennet
10,958. Schmidt
10,960. Haines
10,968. Grant
10,972. Wilson
10,973. North
10,974. Erhardt
10,975. Hutchings
10,980. Richert
10,986. Murray
10,987. Hytten
10,989. d'Or
10,990. Bruckmann
10,992. Marzi
10,999. Reynolds

Vol. 56.

11,000. Heer
11,001. Offord
11,004. Johnson
11,005. C.-Coles
11,007. Hartley
11,015. Stocks
11,017. Coulson
11,019. Lee
11,026. Armstrong
11,028. Turner
11,033. Thompson
11,036. Allard
11,038. Booth
11,044. Stobbs
11,045. Bawden
11,046. Hall
11,060. Cochran
11,061. Fletcher
11,064. Alexanderson
11,065. Peck
11,066. Peck
11,067. McCoy
11,069. Morris
11,070. Beebe
11,071. Nichols
11,072. Mullally
11,073. Sheldon
11,074. Sheldon
11,075. Truscott
11,077. Preston
11,078. Auchu
11,079. Chapman
11,080. Trewhella
11,081. Fischer
11,082. Driver
11,084. Jost
11,085. Herrick
11,087. MacIntosh
11,088. Constantine
11,090. Bohm
11,091. Dredge
11,097. Holmes
11,101. Simpson
11,103. Maher
11,104. Diggles
11,105. Baker
11,110. York
11,111. Officer
11,115. Friend
11,116. Muller
11,117. Chellis
11,118. Woodroffe
11,122. Stevenson
11,123. Grognot
11,126. Molas
11,129. Bound
11,131. Cottrell
11,132. Roy
11,133. Thompson
11,134. Heinz
11,138. Plant
11,139. Alden
11,140. Barrett
11,143. Thompson
11,144. Courtright
11,154. Yabsley
11,155. Yabsley
11,156. Allan
11,164. White
11,168. Magnus
11,173. Vanderstegen
11,174. Borgstrom
11,175. Timms
11,177. Sundberg
11,178. Merlino
11,183. Renn
11,188. Jones
11,191. Schultz
11,196. Walsh
11,197. Greeves

Vol. 57.

11,204. Dodd
11,205. Greer
11,206. Brukner
11,209. Gratama
11,210. Pfeil
11,211. Davis
11,212. Strange
11,213. Charmat

Printed Specifications—*continued.*

1908.

11,214. Laurenti
11,215. Laurenti
11,216. Herrick
11,217. Herrick
11,218. Herrick
11,219. Bechman
11,221. Killen
11,226. Dempsey
11,228. Tierney
11,235. Geake
11,237. Greer
11,238. Elliott
11,239. Green
11,240. Hudson
11,243. Reddan
11,245. Harrison
11,257. Hanson
11,258. Nesbitt
11,259. Nesbitt
11,264. Thomson
11,268. Carlson
11,269. Carlson
11,271. Bowditch
11,273. Garforth
11,274. Garforth
11,275. Garforth
11,277. Sigurdsson
11,284. Dorneth
11,286. Bleichert
11,287. Cotton
11,289. Thomson
11,294. Messerschmidt
11,297. De Dion
11,299. Bigelow
11,300. Bigelow
11,301. Browne
11,304. Hodkin
11,305. Hodkin
11,307. Perret
11,308. Andrews
11,309. Schmidt
11,310. Lynde
11,311. Rossi
11,313. Gironcoli
11,315. Fischer
11,317. Amet
11,318. Walker
11,319. Rohrbacher
11,321. Nichols
11,322. Stephens
11,323. Schmidt
11,324. Ferris
11,326. O'Rourke
11,328. Parsons
11,336. Boddington
11,337. Greenlaw
11,338. Stewart
11,339. von Pittler
11,340. von Pittler
11,343. Wöbber
11,346. Hardinge
11,347. Cochran
11,350. Appleby
11,351. Hendryx
11,352. Rogers
11,353. Bradburn
11,354. Dowie
11,361. Hudson
11,366. Powers
11,369. Wirtz
11,371. Snow
11,373. Öhrn
11,375. Ward
11,379. Schlie
11,380. Palmer
11,382. Tatham
11,388. Sutton
11,391. Pickering
11,392. McDonald
11,395. Geary

Vol. 58.

11,406. Blackwell
11,409. Quiggin
11,410. Anthes
11,411. Magnus
11,412. Campbell
11,418. Griffiths
11,424. Killen
11,425. Blume
11,426. Hauff
11,428. Clarke
11,436. Coghill
11,438. Henry
11,448. Clark
11,454. Turner
11,457. Aston
11,461. Warren
11,462. Knox
11,475. Berglund
11,478. Stichelen
11,479. Shelton
11,481. Coplestone
11,483. Good
11,485. Robinson
11,487. Holloway
11,488. Newbould
11,489. Burchartz
11,495. Bowser
11,502. Andrew
11,505. Newberry
11,508. Bray
11,510. Anderson
11,511. Bradley
11,512. Marks
11,515. Schönberg
11,516. Osborn
11,519. Richards
11,521. Fryklind
11,524. Churchill
11,528. Rickards
11,531. Palmer
11,532. Binney
11,534. Clark
11,535. Shuman
11,540. Yourelle
11,542. King
11,545. Neighbour
11,550. Dixon
11,554. Travis
11,555. Noyes
11,556. Nance
11,559. Amsden
11,560. Pearsall
11,563. Brown
11,564. Waugh
11,565. Smith
11,566. Sigafoos
11,568. Smith
11,569. Luttrell
11,570. Martin
11,571. Schuerch
11,572. Plumb
11,575. Stott
11,578. Walker
11,579. Booth
11,584. Carra
11,585. O'Callaghan
11,586. Wilson
11,589. Van Dieren
11,590. Pullen

Vol. 59.

11,602. Dugins
11,605. van Berkel
11,632. Rennie
11,637. Parsons
11,638. Parker
11,640. von Zelewski
11,641. Spelta
11,643. Allen
11,649. Johnson
11,654. Garrard
11,656. Clarke
11,657. Phillips
11,659. Burnham
11,661. Easson
11,663. McDonald
11,670. Moore
11,676. Cotton
11,677. Lennon
11,681. Kilburn
11,683. Crocker
11,684. Stuart
11,685. Tinker
11,686. Armstrong
11,687. Westermann
11,692. Barker
11,697. Parsons
11,698. Rödder
11,700. Hitchen
11,703. Noble
11,705. Witter
11,707. Frömsdorf
11,710. Hasenbach
11,713. Smart
11,723. Williams
11,727. Ferens
11,728. Kersten
11,731. Cotton
11,737. Shearer
11,739. Herbst
11,740. Oberlies
11,741. Paulo
11,742. Carrara
11,751. Brenizer
11,752. White
11,754. Russell
11,764. Lavagnino
11,765. Prellwitz
11,766. White
11,767. Imlay
11,768. Ruthenburg
11,769. Sutherland
11,770. Maddy
11,772. Clere
11,775. Gammeter
11,778. Richards
11,779. Lavigne
11,780. Gottschalk
11,790. Lewis
11,792. Tyrer

Vol. 60.

11,803. Whyte
11,814. Porter
11,815. Caudle
11,819. Rowley
11,820. Beresford
11,821. Snodgrass
11,824. Jowett
11,825. Jones
11,826. Simpson
11,829. Hampton
11,837. Kennedy
11,856. Dawson
11,859. Royston
11,860. Dallemagne
11,868. Mascord
11,869. Chavériat
11,875. Bartlett

Printed Specifications—*continued.*

1908.

11,882. Blau
11,886. Rowbotham
11,905. Rees
11,909. Cooper
11,912. Lietzenmayer
11,913. Loewenthal
11,914. Roux
11,917. Mortimer
11,918. McNeil
11,919. Woolston
11,920. Wright
11,921. Wigzell
11,922. Wright
11,923. Scherl
11,924. Scherl
11,925. Sieurin
11,926. Turnbull
11,929. Stewart
11,931. Kemp
11,932. Le Cornu
11,933. Kempshall
11,938. Wilson
11,940. Keen
11,944. Olding
11,950. Richardson
11,954. Bowern
11,970. Saunders
11,973. Albrecht
11,976. McIntire
11,983. Norton
11,988. Rogers
11,991. Wolff
11,999. Donohue

VOL. 61.

12,004. Whitaker
12,010. Wade
12,011. Miller
12,012. Reed
12,013. Winter
12,018. Benjamin
12,022. Richards
12,023. Richards
12,027. Humphrey
12,028. Humphrey
12,029. Humphrey
12,031. Alkemade
12,034. Brinsmead
12,035. Yarrow
12,037. Hess
12,042. Newbould
12,061. Bingham
12,062. Gray
12,064. Wiesener
12,076. Barlow
12,079. Garratt
12,085. Hursthouse
12,086. Snee
12,089. Taylor
12,090. Harrison
12,094. Weir
12,099. Aitken
12,111. Peacock
12,115. Pearce
12,119. Crowley
12,120. Bradshaw
12,129. Zerbino
12,135. Blackham
12,140. Norman
12,146. Coleman
12,149. Thom
12,150. Thom
12,160. Franklin
12,164. Lindsay
12,170. Johnstone
12,187. Willmot
12,189. Martin
12,196. Wimmer
12,197. Sanderson

VOL. 62.

12,201. Lambert
12,202. Wallis
12,219. Leggo
12,223. Crooks
12,232. Moore
12,238. Heiden
12,239. Bates
12,248. Rosenthal
12,254. Deland
12,261. Vale
12,263. Dyson
12,267. Kilborn
12,274. Stöckel
12,276. Bloss
12,285. Loiseau
12,291. Higgins
12,294. Hennig
12,296. Jones
12,323. Tennent
12,350. Nixon
12,355. Dawson
12,388. Eugster

VOL. 63.

12,409. Bethge
12,410. Bethge
12,428. Beeman
12,482. Blake
12,534. Frost
12,537. Nielsen
12,546. Harker
12,590. Heys

VOL. 64.

12,603. Hurrey
12,617. Testelin
12,621. Hartnett
12,627. Taylor
12,676. Lennon

Printed Specifications Published.

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1907.

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10,295. G. KÜPFER. *Shaft bearings.* Classes 60.7; 60.9.
10,325. G. W. HOLMES. *Hospitals.* Classes 81.5; 81.6; 87.3.
10,340. McKAY and McDONALD. *Harvester attachment for refuse.* Class 32.3.
10,349. C. C. BULLOCK. *Trapping enclosures.* Class 38.6.
10,391. S. BUTCHER. *Bath water regulator.* Classes 74.8; 86.1.
10,426. R. RABY. *Tap.* Classes 22.4; 74.8.
10,435. McKAY and McDONALD. *Chaff collector for harvesters.* Class 32.3.
10,440. H. M. COOKE. *Window sash lock.* Classes 77.1; 78.7.
10,441. H. M. COOKE. *Door stop.* Class 78.8.
10,508. H. M. COOKE. *Sash window lock.* Classes 77.1; 78.7.
10,526. A. W. ROGERS. *Magazine rifles.* Class 89.3.
10,533. A. F. BRONNER and OTHERS. *Registering delivery of liquids.* Classes 20.6; 56.2; 56.5.

Printed Specifications Published—*continued.*

1907.

10,566. A. J. P. HITCHINS. *Collapsible camp bedstead.* Class 45.2.
10,567. A. STUCKE. *Reversing gear of engines.* Classes 60.2; 92.2.
10,577. R. F. LEAN. *Lubricant.* Class 60.9.

1908.

10,588. UNITED SHOE MACHINERY CO. (CAVANAGH). *Lasting machines.* Class 44.5.
10,642. P. OLSEN. *Fodder, &c., press.* Class 57.3.
10,657. J. MAY. *Horse-race starter.* Class 53.3.
10,690. S. K. McIVER. *Furnace and copper.* Classes 24.5; 25.2.
10,713. DAVEY and MAUCUM. *Ventilating, &c., rooms.* Classes 29.3; 81.6.
10,739. C. M. PALMER. *Shearing machines.* Class 37.6.
10,773. H. A. STUART. *Milk, &c., can.* Classes 36.2; 57.5.
10,784. V. C. J. NIGHTINGALL. *Lighting street gas lights.* Classes 00.7; 04.3; 22.8.
10,787. S. WINN. *Bed rest.* Class 45.2.
10,826. M. R. CUDMORE (MORGAN). *Preventing blow-fly pest.* Class 87.1.
10,899. J. D. JACKSON and OTHERS. *Gas stoves.* Classes 23.1; 24.2.
10,968. J. H. GRANT. *Destroying rabbits.* Class 38.9.
11,044. M. STOBBS. *Reducing smoke discharge.* Classes 17.7; 67.1; 69.6.
11,101. A. M. SIMPSON. *Locks for safes.* Classes 77.3; 77.9.
11,237. F. S. GREER. *Fumigating or spraying.* Classes 31.9; 38.9; 68.9; 79.4; 86.2.
11,257. A. J. HANSON. *Multiplex electric cut-outs.* Class 04.3.
11,264. W. A. THOMSON. *Rain gauges.* Class 00.8.
11,485. THE LAMSON PARAGON SUPPLY CO. LTD. and G. H. ROBINSON. *Document files.* Class 48.8.
11,489. F. BURCHARTZ. *Floorings.* Classes 81.1; 81.2; 88.4.
11,502. G. R. ANDREW. *Dress-cutting charts.* Class 43.1.
11,676. F. COTTON. *Furnaces for firing brick kilns.* Classes 16.30; 16.8; 19.0.
11,742. G. CARRARA. *Chloride of zinc.* Classes 08.2; 14.5; 16.2.
11,814. J. R. PORTER. *Propelling airships.* Class 90.3.
11,826. R. M. SIMPSON. *Separating metals.* Class 12.3.
11,909. COOPER and WHITE. *Elevators and conveyors.* Class 59.5.
11,954. H. G. BOWERN. *Tongs.* Classes 24.2; 45.6.
12,004. WHITAKER and WHITLEY. *Egg carrier.* Class 57.9.
12,111. E. R. PEACOCK. *Card file index.* Class 54.4.
12,119. C. CROWLEY. *Metallic tyre cover.* Class 97.89.
12,129. P. ZERBINO. *Sliding gate.* Class 81.9.
12,160. FRANKLIN and STURTEVANT. *Stop back hinge.* Classes 70.2; 78.5.
12,197. H. SANDERSON and OTHERS. *Valve gears.* Classes 60.1; 64.5.
12,238. C. V. HEIDEN. *Pianofortes.* Class 01.2.
12,248. BABCOCK & WILCOX LTD. (ROSENTHAL). *Conveyor chains.* Classes 58.7; 59.5; 60.2; 60.7.
12,291. HIGGINS and WREN. *Window holder.* Class 78.7.
12,294. LUDWIG HUPFELD AKTIENGESELLSCHAFT (HENNIG). *Mechanically stringed instruments.* Classes 01.3; 01.6; 04.7; 65.4.
12,355. DAWSON PATENT EGG CARRIER CO. LTD. (DAWSON). *Bending egg carrier wires.* Classes 57.9; 58.4.

Printed Specifications Published—*continued.*

1908.

12,537. C. NIELSEN. *Row-locks.* Class 92.6.

12,617. TESTELIN and RENARD. *New spirit from petroleum.* Classes 09.3; 16.2; 20.6; 28.6.

12,621. HARTNETT and ROBISON. *Milking machines.* Classes 36.1; 65.4.

12,627. W. TAYLOR. *Amusement apparatus.* Class 53.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*23rd June, 1909.*			
11,059	16 Mar.	Un. Shoe Mach. Co. (Scott)	U.S.A.	Sewing machines ...	794
11,101	20 Mar.	A. M. Simpson ...	S.A.	Locks for safes	202
11,434	6 May	B. & W. Trewhella ...	Vic.	Shackle coupling... ...	304
12,282	19 Aug.	A. G. E. S. Società &c. (Granieri)	Italy	Road vehicle wheel axles...	560
12,509	15 Sept.	G. P. Collins	S.A.	Pan system (sanitary) ...	612
12,510	15 Sept.	R. H. Binney... ...	W.A.	Fertilizer	26
12,531	17 Sept.	F. Castle	N.Z.	Automatic fire alarms ...	626
12,637	30 Sept.	H. Kühne	Germany	Rendering gases harmless...	645
12,762	13 Oct.	C. B. Smith	N.Z.	Flexible binding devices ...	681
12,786	15 Oct.	Crippen Player Co. (Crippen)	U.S.A.	Auto-pneumatic music players	694
12,828	20 Oct.	J. F. Stephenson ...	Vic.	Spring mattresses ...	696
12,899	29 Oct.	F. Oakden (Schmatolla)	Eng.	Limestone, &c., kilns ...	726

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1908.	*25th June, 1909.*			
11,899	3 July	H. Auhl	N.S.W.	Linen washing machine ...	732
12,469	9 Sept.	Ingersoll-Rand Co. (Prellwitz)	U.S.A.	Unloaders for compressors	599
12,696	6 Oct.	M. F. Mieville ...	Eng.	Carburetted air	661
12,760	13 Oct.	J. G Thomas & J. Lamont	W.A.	Pneumatic stamper batteries	681
12,774	14 Oct.	Henry Simon Ltd. (Thomas)	Germany	Milling, &c., flour ...	682
12,824	20 Oct.	M. Tillie	Ireland	Button-hole machines ...	696
12,900	29 Oct.	F. Oakden (Schmatolla)	Eng.	Burning limestone, &c. ...	726
12,996	7 Nov.	J. A. Murray	Vic.	Removing boiler incrustations, &c	743
		28th June, 1909.			
10,941	28 Feb.	S. Moody	Vic.	Cycle handle-bar stems, &c.	794
10,954	28 Feb.	A. Jarrett	N.S.W.	Pumps to kerosene tins ...	629
11,038	12 Mar.	N. A. Booth	N.Z.	Thief-proof sash fastener...	186
11,579	25 May	N. A. Booth	N.Z.	Thief-proof sash fastener...	356
11,588	26 May	A. F. Laver	Vic.	Washing printing rollers ...	629
12,037	22 July	H. K. Hess	U.S.A.	Extracting copper from ores	493
12,710	8 Oct.	J. G. Thomas & J. Lamont	W.A.	Friction winches ...	678
12,783	14 Oct.	R. M. Wassard (Olsen)...	Denmark	Packing butter, &c. ...	682
		29th June, 1909.			
12,304	22 Aug.	J. H. Tink	Vic.	Joining and straining wire...	778
13,110	23 Nov.	C. S. Beilby	N.Z.	Preventing racing of marine propellers	776

Application in respect of which a Complete Specification has been Accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
8589	29 Apr.	W. H. Mounsey ...	S.A.	Matrix cleaner	235

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
19,955 ...	Severin, H.	20th Nov., 1916

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1900.

No.	Name.	Paid up to—
5556 ...	The International Cigar Mach. Co.	26th June, 1910

1901.

6124 ...	American Mining & Metal Extr. Co.	22nd July, 1910
6229 ...	Hoffmann, L.	20th Sept., 1915

1902.

6699 ...	Hylton-Bravo, S. J. ...	23rd June, 1910

1903.

7356 ...	Crase, J., & Phipps, J. H.	4th July, 1910

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to—
7746/5731 ...	The Anchor Fence Co. of Australia Ltd.	21st June, 1916
7830/5781 ...	Un. Shoe Mach. Co.	25th July, 1916
7832/5782 ...	Un. Shoe Mach. Co.	25th July, 1916
7838/5785 ...	Un. Shoe Mach. Co.	30th July, 1916
7973/5865 ...	Treuhand Vereinigung A. G.	13th Oct., 1916
8051/5917 ...	Severin, H. ...	21st Nov., 1916

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fee Paid.

1902.

No.	Name.	Paid up to—
4082 ...	Treuhand Vereinigung A. G.	9th Oct., 1916

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fee Paid.

1902.

No.	Name.	Paid up to –
3545 ...	Treuhand Vereinigung A. G.	16th Oct., 1916

Assignment Registered.

1904.

4052. "Improvements in explosives."

Assignment of the whole *by* Henry Maxwell SAVAGE, as liquidator of AMMONAL EXPLOSIVES LIMITED (in liquidation), *to*

AMMONAL EXPLOSIVES (1908) LIMITED. Dated 18th Sept., 1908. Registered 22nd June, 1909.

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SUPPLEMENT ISSUED WITH JOURNAL No. 25, 6TH JULY, 1909.

MONTHLY INDEXES.

JUNE, 1909.

INDEX TO NAMES OF PERSONS
IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER
IN SPECIFICATIONS LODGED.

DESCRIPTIVE SUBJECT INDEX
TO SPECIFICATIONS OPENED TO INSPECTION.

APPLICATIONS FOR 1908 COMMENCE WITH 10,581.
APPLICATIONS FOR JUNE, 1909, Nos. 14,682 TO 14,981.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

JUNE, 1909.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

The full particulars of names, addresses, &c., may be found in numerical order by reference to the *Journal* under notices of Applications Received.

Name.	Subject.	Number.
Abbott, H.	Grinding mills	P. 14,947
,, H. A.	Watering rock drills	P. 14,726
Aitken, J. M.	Telephone recorder, &c. ...	P. 14,780
,, R.	Cooling chambers	P. 14,711
Alexander, W.	Hoisting, &c., apparatus ...	14,736
Allan, J. R.	Rail joint	P. 14,939
Allen, C. J.	Milk, &c., strainers	P. 14,689
,, G. (*assignee*)	Tongs	11,954
,, Taylor & Co. Ltd. (*assignee*) ...	Protecting shaft bearings ...	12,297
Anderson, W. W.	Composition from sea-weed, &c.	P. 14,981
Andrew, A.	Shoot cutter	P. 14,935
Angst, A.	Vehicle wheel	14,954
Apthorpe, J.	Ratchet wrench, &c.	P. 14,909
Arnold, Emma	Building construction ...	14,866
Ashton, O.	Conforming uppers to lasts ...	12,727
Ashworth, H.	Tramcar signals	P. 14,788
Austin, T. R. L.	Targets	P. 14,717
Aust. Flock Mills Ld. (*assignee*)	Wire mattresses	10,897
,, Ore C. S. Ltd. (*licensee*)	Separating ores	4321
Bailey, J. N.	Fluid pressure engines ...	14,901
Baker, G. C.	Safety lock for lifts, &c. ...	13,563
Balcarras, R. K.	Water wheel	P. 14,925
Baptista, J. d'A.	Water wheel	P. 14,794
Barger, W. G.	Disk cultivators	12,327

Name.	Subject.	Number.
Bates, A.	Work supports	12,463
,, A.	Presses	12,728
,, A.	Attaching heels	P. 14,827
Bayne, D. W.	Ambulance stretcher ...	P. 14,747
Behr, H. C.	Pneumatic stamping plant ...	P. 14,878
Benwell, W. J.	Paper, &c., bags	14,898
Berry, A.	Scavenging, &c., apparatus ...	P. 14,858
Bewicke, W.	Convertible vehicle seats ...	P. 14,744
Billington, J. E.	Composing machines	14,966
Blackburn, J. & S.	Washing machine	P. 14,914
Blackham, V. R. J.	Butter box cover	P. 14,972
Blackwell, E. O.	Harvester, &c.	12,406
Blair, A. H.	Chaff-cutters	P. 14,704
Blake, W. H.	Drill, &c., attachments ...	P. 14,917
Bolden, J. H.	Plough attachment	P. 14,715
Boran, P. J.	Door, &c., fastening	12,523
Bowden, W. G.	Pumps	P. 14,952
Bowser, G. M....	Guttering rock, &c.	P. 14,703
Bradley, J. R.	Potato, &c., digger, ...	P. 14,685
Brain, O. W.	Railway working instruments ...	14,845
Brazier, J.	Lighting, &c., gas lamps ...	P. 14,875
Brewster, W.	Shearing, &c., machines ...	P. 14,961
Bridge, D. I.	Railway couplings	12,380
Brissenden, E. M.	Focussing camera hoods ...	P. 14,746
Browne, E. H....	Wire-strainer	P. 14,962
Bruning, B. D.	Electric heat, &c., alarm ...	14,936
Buchan, D. S. C.	Chaff-cutter	P. 14,930
Buchanan, W.	Cow bails, &c.	14,700
Bull & Co. Ld., H. (*licensee*)	Tennis shirts	11,235
Burgess, J.	Plough, &c., attachment ...	14,953
Burnham, A.	Stone gatherer	P. 14,870
,, A.	Stone remover	P. 14,871
Burrell, T.	Resilient tyre	P. 14,683
Busell, J. N.	Boots and shoes	14,835
Butler Bros. (E. R., H. B., and J. H.) (*licensees*)	Horse collars	9935
Button, H.	Roof, &c., construction ...	12,994
,, W.	Twine bag, &c.	P. 14,755
Cain, A. S.	Mines knockers	P. 14,886
Camm, C.	Withdrawing butter from churns	P. 14,958
Capel, R. A.	Ploughing, &c., machine ...	P. 14,804
Cartwright, E. O.	Printing presses	14,963
,, E. O.	Printing presses	14,964
Castles, W.	Engine	P. 14,905
Cavill, F.	Lifeboats	P. 14,877
Chambers, J. H.	Egg, &c., carrier	P. 14,684
Chappell, M.	Pneumatic receptacles ...	P. 14,719
Chase & Baker Co.	Autopianos	14,821
Clarke, H.	Adding figures	P. 14,874
Claverie, G. A.	Typewriter copy holder ...	14,789
Cliff, H.	Feeding chaff-cutters	P. 14,766
Clifton, D. R.	Gate, &c., latch	P. 14,735
Cobden, A. J.	Swimming bath	P. 14,890
Cole, W.	Excavating machine	P. 14,723
Coleman, J. V.	Separating, &c., metals ...	P. 14,833

Name.	Subject.	Number.
Columbia, C. L.	Railway spike	14,822
Colwill, J. & W. H.	Sound proof box	14,931
Cone, W. D.	Egg, &c., carrier	P. 14,684
Cooper, A. G.	Power to sheep shears ...	P. 14,786
,, J. A. & L. J.	Tree, &c., extractor	P. 14,913
Corbett, J.	Metal recovery	12,508
Cornell, J.	Cock and lubrictator	12,544
Corregan, H.	Chimney, &c., stack	14,824
Cort, W. J.	Butter, &c., cooler	14,070
Cotton, L. A.	Ships' speed indicators ...	12,278
Crowther, J. B.	Float-stoppered cistern ...	14,855
Curnow, W. A. E. & W. E.	Non-skid tyre attachment ...	P. 14,906
Curtis, G. W.	Camera	14,823
Davey, D.	Skinning machine	P. 14,951
Davidson, J. H. M.	Sound re-producing	P. 14,778
Davies, H. R.	Raising, &c., stripper combs ...	12,811
,, J. B.	Galvanizing, &c.	P. 14,854
Davis, A. M.	Heater	P. 14,863
,, C.	Killing prickly pear, &c. ...	P. 14,803
,, C. S.	Lids for rubbish cans, &c. ...	P. 14,864
,, E. C.	Stripper harvesters, &c. ...	P. 14,896
Day, H. A.	Almanac	14,943
Dennis, H.	Vermin destruction	P. 14,779
de Kamp, W. A. J. van	Preventing gas explosions ...	14,891
Dickinson, T.	Elevator governor	P. 14,910
Dodwell, M. G. C.	Cycle, &c., tyre	P. 14,851
Donald, D.	Fence droppers	P. 14,729
,, D.	Wire strainers	P. 14,869
Douglas, E. J.	Heating fluids	14,698
,, P.	Home savings bank	12,379
Draeger, O.	Burglary detector	P. 14,900
Dudley, C. F.	Heating tools	P. 14,708
Dugan, Ellen	Metal recovery	12,508
Dugins, W. F.	Closing boots, &c.	P. 14,812
Dunlop, G. H.	Excavating machinery ...	12,102
Dyson, J.	Cultivating implements ...	P. 14,976
Echberg, A. F.	Nut, &c., wrench	P. 14,969
Eden, Julia M.	Stockings, &c.	14,868
Edmonds, R. C.	Pneumatic receptacles ...	P. 14,719
Edwards, A. H.	Aeroplanes, &c.	14,790
,, J.	Pumps	P. 14,952
,, H.	Automatic advertiser	P. 14,777
,, M. F.	Wire strainer	P. 14,920
,, M. F.	Wire strainer, &c.	P. 14,921
Eijdman, F. H.	Evaporating apparatus ...	14,785
Elliott, R.	Spark arresters	P. 14,865
Ellis, W. J.	Combined boilers and furnaces	14,847
Elec. Pulley Block Co. Ld. (Gese) ...	Pulley blocks	14,682
Elvery, W. A.	Door catch	P. 14,760
Emerson, G. C.	Ruling paper	P. 14,922
Empire Oil Engine Syn. Ld. (*assignee*) ...	Internal combustion engines ...	9473
Eppler, A.	Sewing machines	12,462

Name.	Subject.	Number.
Erickson, G. L.	Telemeter	P. 14,725
Esplen, A.	Fire-bar	14,957
Ewing, S.	Testing eggs	P. 14,915
,, S.	Aerial machines	P. 14,916
Fairclough, C.	Shaving brush	12,528
Farrand, O. M.	Keyless locks	14,810
Fels, L. B.	Twine bag, &c.	P. 14,755
Fenton, H.	Boot, &c., heels	14,254
Ferrier, J.	Device for chaff-cutters ...	12,400
Fitridge, W. H.	Monkey wrench	12,607
Flintoff, F.	Spouting to buildings ...	12,540
Fortescue & Sons, Ltd., G. E. (Fortescue & Murray)	Windmills	P. 14,762
Foye, C. D.	Inserting fastenings	P. 14,828
Francis, J. J.	Air ship	P. 14,937
Franklin, E. H.	Blackboard support	P. 14,781
Fry, R. J.	Tree, &c., extractor	P. 14,913
Gamble, J. A.	Clay for bricks, &c.	P. 14,876
Garran, Winifred I.	Stair carpets	P. 14,759
Garstang, J. J.	Cabinet for excreta tubs ...	14,856
George, Anne W.	Note book pen	P. 14,731
,, J. W.	Garbage cart cover, &c. ...	P. 14,932
Gese, A. A. C....	Pulley blocks	14,682
Geue, H. A.	Treating honeycomb, &c. ...	12,299
Gibson, R.	Hob-grate cooker	P. 14,879
,, R. F. M.	Door &c., lock	P. 14,798
Gilbert, T. J.	Dressing rails in situ	P. 14,974
Gladman, F. B.	Copyist's indicator	P. 14,774
Goninan, A.	Skip, &c., grip	P. 14,938
,, A.	Rail joint	P. 14,939
Goode, V. P.	Scrub slasher	P. 14,688
Gordon, R. G.	Gas lighting	12,193
Gorrie, Jane M.	Baby's safety chair	P. 14,771
Gouldbourn, J.	Work supports	12,463
Grant, J. H.	Prickly pear destroyer ...	P. 14,713
,, W. H.	Candlestick	P. 14,933
Gray, A.	Carcass for earth closets ...	12,569
Grayson, L. W.	Clay for bricks, &c.	P. 14,876
Grinter, A. W.	Disk cultivator, &c.	12,168
Groves, E. C.	Paper, &c., bags	14,898
Grummett, J.	Door-operating mechanism ...	P. 14,880
Gummerson, W.	Rowlock	P. 14,756
Gyler, C. (*assignee*)	Protecting shaft bearings ...	12,297
Haines, R. T.	Fuel, &c., economizer ...	P. 14,839
Hamer, F.	Power transmission	14,795
-Hamilton, A. M. Melville-	Water bottle, &c.	P. 14,903
Hansen, J. S.	Heating tools	P. 14,708
Harrison, S.	Range finder, &c.	P. 14,811
Hartmann, S.	Cream pump	P. 14,840
,, S.	Butter churns, &c.	P. 14,841
Harvey, G.	Paper, &c., bags	14,898
,, J.	Table football game	P. 14,895

Name.	Subject.	Number.
Haslam, T.	Cantilever tap	P. 14,904
,, W.	Boot, &c., heel	P. 14,836
Haughton, R. S. (*assignee*)	Withdrawing liquids	5582
Hefford, I.	Amalgamating apparatus ...	13,934
Hele-Shaw, H. S.	Fluid machine	14,960
Hellstrom, O. B.	Bottle stopper, &c.	P. 14,806
Henius, E.	Home savings bank	12,379
Hennah, W. H.	Ship's indicator	14,752
,, W. H.	Ship's recorder	14,753
Henrikson, H.	Automatic advertiser	14,777
Henry, W.	Hanging window sashes, &c. ...	P. 14,941
Heyes, P. (*assignee*)	Stamp vending machine ...	1787
-Hilgenstock Coke-Oven Co. Ltd., Otto-(Hilgenstock)	Tar from hot gases	14,784
Hill, F. J.	Saddle knee-pads	14,949
Hodges, E. A.	Securing axles in wheels ...	14,888
Hoff, O.	Subaqueous tunnels	14,848
Holle, A. A.	Steam, &c., engines	14,741
Holly, E. L.	Pump grip, &c.	P. 14,955
Hornemann, J. W. A.	Telephone call check, &c. ...	P. 14,701
Houlker, W.	Casks, &c.	14,908
Howcroft, W. J.	Uprooting prickly pear ...	P. 14,843
Hull, G. W. M.	Prickly pear compo.	P. 14,712
Humphries, A. E.	Milling flour	14,783
Hurrey, C. G.	Cane harvester	14,971
Hutchinson, G.	Weighing apparatus	14,929
Hyland, H.	Animal traps	P. 14,860
Ingersoll-Rand Co. (Taylor)	Hammer drills	14,831
Internat. Grain Shocker Co. Ltd. (Perrin) ...	Sheaf shockers	14,801
,, Salt Co. Ld. (*assignee*)	Salt manufacture	788
,, ,, ,, (*assignee*)	Melting salt...	11,859
Irving, L. L. & W. L.	Pineapple peeler	P. 14,772
Jackson, Amy De B.	Water heater	P. 14,769
,, A. G.	Thermostats	14,940
Jean, W. V.	Ore separator	14,807
Jenkins, C. F.	Spiral tubes	14,813
Jennings, S.	Storing fodder	12,836
Jerram, A. E.	Work supports	12,463
Jessep, H. C.	Indoor war game	P. 14,728
Johnson, E. C.	Railway gauge	P. 14,928
Johnston, G. G.	Pneumatic tyres	14,263
,, G. G.	Pneumatic tyres	P. 14,892
Jolly, H. E.	Sheep, &c., brand	12,575
Jones, S.	Carburetting air	P. 14,907
Joy, T.	Wool presses	13,037
Joynson, F.	Steam generator	P. 14,934
Julius, G. A.	Locking telephones	14,792
Kamp, W. A. J. van de	Preventing gas explosions ...	14,891
Kelly, R. T.	Garbage cart cover, &c. ...	P. 14,932
Kemp, A. A.	Washing vessels	P. 14,722

Name.	Subject.	Number.
Kempshall Tyre Co. of Europe Ltd. (*assignee*)	Non-skid tyres	11,933
Kennaway, T. W.	Skip, &c., grip	P. 14,938
Kerby, F.	Mill belt fastener	P. 14,761
King, A. C. & J.	Power transmission	14,795
Knight, A. O. V.	Pump grip, &c.	P. 14,955
Laurence, C. J. F.	Household (billiard) table ...	P. 14,902
Lee, T. F. F.	Furnaces	14,826
Lewis, J.	Cleansing, &c., roof water ...	14,739
Linke, Noack & Co. Ltd. (Noack) ...	Earth scoops	14,754
Linotype & Mach. Ltd. (Billington & Pearce)	Composing machines	14,966
Lloyd, F.	Telephone accessories ...	14,733
,, J. G.	Private telephone	P. 14,816
Lockley, T. B.	Fuel box carriers	P. 14,776
Loewenthal, H.	Fencing dropper	14,796
Lomas, J.	Packing fruit, &c.	P. 14,861
Lumiere, L.	Acoustical instruments ...	14,862
Lungley, C. F.	Preserving steel, &c	P. 14,757
,, C. F.	Treating hides, &c.	P. 14,758
McBride, T. J.	Pneumatic tyres	P. 14,720
McCrea, G. W.	Aphis trap ring	P. 14,687
McDonald, J. C.	Wool presses	12,390
McEwen, C. H.	Shaft support	P. 14,927
McFarlane, W.	Cultivating implements ...	P. 14,976
McGillivray, J.	Removing sawdust	P. 14,716
McGinness, M.	Wire strainer	P. 14,920
,, M.	Wire strainer, &c.	P. 14,921
McLean, J.	Multiple indicator file ...	P. 14,750
McMahon, P. J.	Automatic target	P. 14,948
McMillan, J.	Ploughing, &c., machine ...	P. 14,804
McNab, N. S.	Lighting, &c., gas lamps ...	P. 14,697
,, N. S.	Stamping, &c., mail matter ...	P. 14,979
McPherson, A.	Planting potatoes, &c. ...	14,889
McQuade, J. C.	Milk, &c., strainers	P. 14,689
Makinson, A. M.	Vermin destruction	P. 14,779
Mangelsdorf, H. G.	Draught gear for strippers ...	P. 14,738
Marchesi, G.	Vehicle brakes	14,919
Marconi's Wireless Telegraph Co. Ltd. (Marconi)	Wireless telegraphy	14,732
Marks, H. V.	Heads on nails	14,694
Marshall, C. W.	Crutch	P. 14,973
Martin, J. H.	Adjustable scaffold	P. 14,691
,, H. S.	Transmitting, &c., vibrations ...	12,661
Matheson, A. E.	Roofing tile	12,705
Matthews, A. W.	Boots and shoes	14,829
Meadowcroft, E. E.	Phonographs	P. 14,696
Mederer, M.	Chilling, &c., chambers ...	14,737
Meinzolt, C. C.	Stringing pianofortes ...	14,945
Mellor, B. F.	Cooling houses, &c.	12,341
Melville-Hamilton, Augusta M.	Water-bottle, &c.	P. 14,903
Mepham, W. E.	Operating bottoms of coal, &c., trucks	P. 14,970

Name.	Subject.	Number.
Mercer, H. T.	Lace-lock	P. 14,793
,, H. T.	Lace-lock, &c.	P. 14,814
Miller Treeing Mach. Co. O. A. (Dudley, Hansen, & Oertly)	Heating tools	P. 14,708
,, W.	Railway, &c., coupling ...	P. 14,867
Mills, E. C. E. (*assignee*)	Stamp vending machine ...	1787
Moeschl, C.	Driving machinery pumps ...	P. 14,968
Moloney, C.	Scraper, grader & roller ...	13,342
Mono Service Vessels Ld. (Taylor) ...	Paper milk vessels	14,791
Montague, G. P.	Razor hone	14,825
Monteath, C. B.	Flushing cistern	14,695
,, F. H. (*assignee*)	Cooling safe	2194
Moore, G.	Volatilizing salts	14,805
,, J.	Chaff-cutter feed	P. 14,686
Morrison, A.	Gas lighting	12,193
,, W.	Tank, filter, &c.	P. 14,763
,, W.	Filter	P. 14,764
Morrow, R. B.	Plough, &c., disks	P. 14,775
Moscicki, I.	Treating gases, &c.	14,693
Moss, J. I.	Window locks	P. 14,859
Mull, W. H.	Balancing loads on vehicles ...	12,703
Murphy, F. A.	Skipping-rope	P. 14,838
Murray, A. C.	Tin handle	14,912
,, W.	Windmills	P. 14,762
Napier, W. J. (*assignee*)...	Stamp vending machine ...	1787
Naylor, E.	Trough waste	P. 14,897
Neighbour, A. G. L.	Sheep-shearing machines ...	P. 14,718
Nesbitt, Eda	Slip-bodice, &c., preserver ...	14,217
Newberry, S. B.	Waterproof Portland cement ...	14,699
,, W. A.	Cleansing, &c., roof water ...	14,739
Norman, R. C.	Scullery &c., mittens ...	P. 14,742
Nowland, D.	Pulling down timber	12,370
O'Beirne, H.	Securing wool bales	P. 14,768
O'Dwyer, T. D.	Swinging windmill	P. 14,727
Oertly, J.	Heating tools	P. 14,708
Ohye, A. J. (*assignee*)	Oil fuel vaporizer	2544
O'Neil, H. J.	Horse, &c., rugs	P. 14,975
O'Neill, H. J.	Measuring tangent ratios ...	P. 14,894
Orford, R. A.	Flying machine	P. 14,690
Ostberg, A. J.	Leather-board substitute ...	14,743
O'Toole, J.	Level-crossing gates	P. 14,881
Otto, C. M.	Door, &c., lock	P. 14,798
Otto-Hilgenstock Coke-Oven Co. Ltd. (Hilgenstock)	Tar from hot gases	14,784
Parker, T.	Distillation of coal, &c. ...	P. 14,887
Parslow, G. & S. D.	Glove	P. 14,692
Paterson, W. C.	Pulp agitators	14,819
Patrick, W.	Swimming bath	P. 14,890
Pavey, C.	Land levelling implements ...	P. 14,884

Name.	Subject.	Number.
Pearce, H.	Composing, &c., machines ...	14,966
Penney, G. W.	Broom handle, &c.	P. 14,873
Perrin, W. H.	Sheaf shockers	14,801
Petersen, P. H.	Switch throwing devices ...	14,820
Phillips, M. O.	Teeth to cultivators	12,503
Phipps, P.	Metal angle pieces	14,344
Piesse, F. E.	Rifle sights	14,959
Pike, H. R.	Almanac	14,943
Ploog, H. F.	Bicycle air valve, &c. ...	P. 14,773
Pomeroy, J.	Boiler furnaces	14,944
Price, P.	Bending sheet metals	P. 14,911
,, W. J.	Railway couplings	12,380
Purnell, A.	Hair composition	14,818
Purser, R.	Gates	13,794
,, R.	Gate lock	P. 14,706
Queneau, A. L. J.	Zinc metallurgy	14,834
Quinlivan, T.	Traction engines, &c.	12,781
,, T.	Universal joint	P. 14,797
Ralston, W. V.	Cane-cutter	12,426
Ransom, C	Billiard cues	14,923
Read, A.	Trestles	P. 14,787
Reichelt, J. H.	Stripper harvesters, &c. ...	P. 14,896
Reid, J. H.	Electric furnaces	14,709
,, J. H.	Separating, &c., metals ...	14,800
Reyburn, R.	Ploughing, &c., machine ...	P. 14,804
Rigby, J. H.	Sole levelling machines ...	14,830
Riley, R.	Type writer copy holder ...	14,789
Rissel, A. K. W.	Ship's indicator	14,752
,, A. K. W.	Ship's recorder	14,753
Roark, E. B. (*assignee*)	Water meter...	10,430
Roberts, R.	Window sash frame	12,515
Robertson, G.	Emptying cans, &c.	14,749
Robeson, A. M.	Precipitating metals	14,782
Robinson Ltd., E. S. & A. (Benwell, Groves, Harvey & Robinson)	Paper, &c., bags	14,898
Robshaw, A.	Wave engines	P. 14,853
Rodda, T. H.	Securing axles in wheels ...	14,888
Rogers, H. W.	Deciphering codes	P. 14,714
Rolfe, E.	Arresting decay of teeth ...	14,721
Rosenberg, A.	Depositing metals	14,730
Ross, Beatrice M.	Broom pad	P. 14,745
,, Beatrice M.	Window guard	P. 14,942
,, W. A.	Decanting liquids	12,492
Rossiter, L. J.	Nicotineless pipe	P. 14,802
Rourke, J. P.	Displaying advertisements ...	P. 14,882
Royal Inst. for the Blind Incorporated (*assignee*)	Broom handle	6366
Rucker, M. D.	Aeroplanes, &c.	14,790
Rumble, H. H....	Concrete work (under water) ...	P. 14,850
Rushworth, H.	Fishing alarum	P. 14,809
Ryan, E.	Candlestick	P. 14,933
,, E. T.	Tyre protector fastener ...	P. 14,799
,, E. T.	Motor tyre cover	P. 14,815
,, W. F. P.	Safety hook	14,849

Name.	Subject.	Number.
Sanders, C. E.	Military, &c., boot	P. 14,748
-Shaw, H. S. Hele-	Fluid machine	14,960
Shearer, D. & J.	Agricultural implements ...	P. 14,740
Sheeley, G. A.	Lining tube, &c., mills ...	P. 14,883
Sheldrick, T. E.	Button-hole guide	P. 14,724
Siegert, C. F.	Treating auriferous sand, &c. ...	P. 14,956
Silent Writing Mach. Co. (*assignee*) ...	Typewriters	9543
,, ,, ,, (*assignee*) ...	Typewriters	9544
,, ,, ,, (*assignee*) ...	Typewriters	9545
,, ,, ,, (*assignee*) ...	Typewriters	9546
,, ,, ,, (*assignee*) ...	Typewriters	9547
,, ,, ,, (*assignee*) ...	Platen shifting	10,239
Simmonds, G. T.	Vehicle brakes	13,928
Sims, E.	Brick press	P. 14,946
Sinclair, A.	Typewriter ribbons	P. 14,817
Slade, F. W.	Garden hose spray	P. 14,872
Smith, C. G.	Stump-jump ploughs	12,536
,, H. G.	Fence standard	P. 14,980
,, S. J.	Razor hone	14,825
,, T. E. G.	Displaying advertisements ...	P. 14,770
Spirella Co.	Wire garment stays	14,965
Standard Tobacco Stem. Co. (Strickland) ...	Stemming tobacco leaves ...	14,832
Stansmore, S. M.	Trench-cutter	P. 14,950
Stephens & Co., Pty. Ltd. (Sheldrick & (Williams)	Button-hole guide	P. 14,724
Stevens, J. H.	Detachable wall-hook ...	P. 14,842
Stewart, J. McG. (*assignee*)	Desiccated eggs	5260
Stokes, D. H.	Brake apparatus	P. 14,857
Stranaghan, W.	Scavenging, &c., apparatus ...	P. 14,858
Strickland, C. V.	Stemming tobacco leaves ...	14,832
Sturtevant, A. B.	Blackboard support	P. 14,781
Tattam, C. J.	Adding figures	P. 14,874
Taylor, A. H.	Hammer drills	14,831
,, & Co. Ld., Allen (*assignee*) ...	Protecting shaft bearings ...	12,297
,, E. Z.	Paper milk vessels	14,791
,, T.	Bending sheet metals	P. 14,911
Thomas, J.	Feeding chaff-cutters ...	P. 14,765
,, J.	Drill hoe, supports of ...	P. 14,767
Thomson, H. J.	Portable hammocks, &c. ...	14,885
Thordson, T.	Gold filtering	14,710
Thorpe, W. B.	Electrolytic devices	14,893
Torpy, H. L. J.	Filling beer casks	P. 14,702
Towt, W.	Wire strainers	14,082
Tremlett, Helena C.	Liniment	P. 14,926
Trouchet, L. J. A.	Tobacco smoking cure ...	P. 14,899
Turri, G. G.	Autopianos	14,821
,, G. G. (Jenkins)	Spiral tubes	14,813
Twining, T. W.	Scavenging, &c., apparatus ...	P. 14,858
Un. Shoe Mach. Co. (Ashton)	Conforming uppers to lasts ...	12,727
,, ,, ,, ,, (Bates)	Presses	12,728
,, ,, ,, ,, (Bates)	Attaching heels	P. 14,827
,, ,, ,, ,, (Bates, Jerram, & Gould-bourn)	Work supports	12,463

Name.	Subject.	Number.
Un. Shoe Mach. Co. (Eppler)	Sewing machines	12,462
,, ,, ,, ,, (Foye)	Inserting fastenings	P. 14,828
,, ,, ,, ,, (Webster)	Heel nailing	12,939
,, ,, ,, ,, (*assignee*)	Grading leather	82
Van de Kamp, W. A. J.	Preventing gas explosions ...	14,891
Varcoe, T.	Vermin destruction	P. 14,779
Varley, B. W. (*assignee*)	Brake	10,671
Venn, J. & J. A.	Bowling machine	14,734
Vincent, Ada J. D.	Marking materials for folding, &c.	12,782
Virgil, A. K.	Musical keyboard	14,844
Walker, H. K.	Extraction of tannin, &c. ...	P. 14,977
,, H. K.	Preservation of wood ...	P. 14,978
Wall, A. W.	Velocipedes	14,967
,, J. W.	Chaff-cutters	P. 14,704
Wallace, H.	Chaff-cutters	P. 14,705
Ward, J. L.	Skip, &c., grip	P. 14,938
Warren, A. J.	Cultivating implements ...	P. 14,976
Waters, E. N. (Billington & Pearce) ...	Composing, &c., machines ...	14,966
,, W. H.	Wire garment stays	14,965
Watson, H.	Lighting, &c., gas lamps ...	P. 14,875
Weatherilt, S.	Embrocation, &c	P. 14,837
Weaver, S.	Telephone accessories ...	14,733
Webster, E. A.	Heel nailing	12,939
Weingott & Sons Ltd., S. (Weingott) ...	Waterproof coat	12,403
West, W. R.	Safety lock for lifts, &c. ...	13,563
White, P. T.	Emptying cans, &c.	14,749
,, R. T.	Monkey wrench	12,607
Wigmore, F. J.	Nut locks	P. 14,918
Williams, A. A.	Trestles	P. 14,787
,, A. H.	Gas mantle	P. 14,707
,, H.	Button-hole guide	P. 14,724
,, S.	Planting potatoes, &c. ...	14,889
Wilson, J. & P.	Door stop	13,991
,, P.	Almanac	14,943
,, W. J.	Waterproof Portland cement ...	14,699
Winstanley, A. A. and Emily C.	Chaff-cutters	P. 14,852
Woods, M.	Dressing rails in situ	P. 14,974
Wright, A. H.	Table combination game ...	P. 14,846
,, A. H.	Displaying advertisements ...	P. 14,924
,, A. H.	Stamping, &c., mail matter ...	P. 14,979
,, W. J.	Thief-proof stand	P. 14,751
Young, R.	Liquating furnace	14,808
Zinc Corp. Ltd. (*licensee*)	Separating ores	4321

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED

JUNE, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.4	Measuring tangent ratios for range finding, &c. (89.5)	O'Neill	P. 14,894
00.5	Indicating ship's deviations from course. (56.6; 92.0)	Hennah	14,752
00.5	Recording, &c., ship's deviation from course (56.6; 92.0) ...	Hennah	14,753
00.7	Thermostats	Jackson	14,940
	Group 01.—Acoustics.		
01.1	Sound-proof box for telephones, &c. (81.3)	Colwill	14,931
01.2	Autopianos. (01.6)		14,821
01.2	Stringing pianofortes	Meinzolt	14,945
01.6	Autopianos. (01.2)		14,821
01.7	Composition for reproducing, &c., vibrations, &c. (04.7; 05.6) ...	Martin	12,661
01.7	Stylus bar of phonographs, &c.	Meadowcroft	P. 14,696
01.7	Diaphragm for sound reproducers	Davidson	P. 14,778
01.9	Exercising keyboard for musicians	Virgil	14,844
	Group 04.—Electric Apparatus.		
04.3	Heating tools electrically. (06.7; 44.5)	Oertly	P. 14,708
04.3	Auto-electric heat and fire alarm. (88.2)	Bruning	14,936
04.6	Electrolytic devices for meters, &c. (07.5)	Thorpe	14,893
04.7	Composition for reproducing, &c., vibrations, &c. (01.7; 05.6) ...	Martin	12,661
04.7	Electrically driven pulley blocks. (59.1)	Gese	14,682

Class	Title.	Name.	Number.
	Group 05.—Telegraphy and Telephony.		
05.5	Wireless telegraphy	Marconi	14,732
05.6	Composition for reproducing, &c., vibrations, &c. (01.7 ; 04.7) ...	Martin	12,661
05.6	Telemeter. (56.2)	Erickson	P. 14,725
05.6	Telephone accessories	Lloyd	14,735
05.6	Locking magneto call telephones. (55.7)	Julius	14,792
05.6	Acoustical instruments. (Sec. 121. France, 25 July/*08*) ...	Lumiere	14,862
	Group 06.—Electric Lamps.		
06.7	Heating tools electrically. (04.3 ; 44.5)	Oertly	P. 14,708
06.8	Electric furnaces. (Sec. 121. U.S.A.910,581/*09*)	Reid	14,709
06.8	Separating and refining metals. (15.6)	Reid	14,800
06.8	Zinc metallurgy. (15.6 ; 16.45)	Quenneau	14,834
	Group 07.—Electrolysis and Batteries.		
07.5	Electrolytic devices for meters, &c. (04.6)	Thorpe	14,893
07.6	Depositing metals upon metallic surfaces	Rosenberg	14,730
07.6	Ore separator	Jean	14,807
	Group 08.—Mineral Chemistry.		
08.9	Recovering metals from ores. (14.1)	Corbett	12,508
	Group 09.—Organic Chemistry.		
09.5	Extraction of tannin	Walker	P. 14,977
	Group 10.—Crushing and Grinding.		
10.2	Pneumatic stamping plant	Behr	P. 14,878
10.3	Amalgamating apparatus. (13.3)	Hefford	13,934
10.3	Lining tube mills	Sheeley	P. 14,883
10.3	Grinding mills	Abbott	P. 14,947
10.7	Safety device for chaff-cutters	Ferrier	12,400
10.7	Safety feed for chaff-cutters	Winstanley	P. 14,652
10.7	Safety feed for chaff-cutters	Moore	P. 14,686
10.7	Safety appliance for chaff-cutters	Wall	P. 14,704
10.7	Safety devices for chaff-cutters	Wallace	P. 14,705
10.7	Feeding chaff-cutting machines	Thomas	P. 14,765
10.7	Feeding chaff-cutters	Cliff	P. 14,766
10.7	Chaff-cutting machine	Buchan	P. 14,930
	Group 11.—Mech. and Elec. Separation.		
11.4	Separating metals, &c. (12.1)	Coleman	P. 14,833
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Pulp agitators. (12.5)	Paterson	14,819
12.1	Separating metals, &c. (11.4)	Coleman	P. 14,833
12.5	Pulp agitators. (12.1)	Paterson	14,819
12.7	Gold filtering machines	Thordson	14,710
	Group 13.—Amalgamation.		
13.3	Amalgamating apparatus. (10.3)	Hefford	13,934
	Group 14.—Leaching Metallurgy.		
14.1	Recovering metals from ores. (08.9)	Corbett	12,508
14.1	Recovery of metals from black sand, &c.	Siegert	P. 14,956
14.4	Precipitating metals from solutions	Robeson	14,782

Class.	Title.	Name.	Number.
	Group 15.—Metallurgy in Furnaces.		
15.6	Separating and refining metals. (06.8)	Reid	14,800
15.6	Volatilization of metallic salts	Moore	14,805
15.6	Zinc metallurgy. (06.8; 16.45)	Quenneau	14,834
	Group 16.—Furnaces.		
16.2	Liquating furnace	Young	14,808
16.2	Distillation of coal, &c. (20.2)	Parker	P. 14,887
16.45	Zinc metallurgy. (06.8; 15.6)	Quenneau	14,834
16.8	Steam boiler furnaces. (17.7) (Sec. 121. N.Z. 24,793/*08*)	Pomeroy	14,944
16.8	Fire-bar	Esplen	14,957
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Chimney and smoke stack. (90.9)	Corregan	14,824
17.7	Steam boiler furnaces. (16.8) (Sec. 121. *N.Z.24,793/08*)	Pomeroy	14,944
17.8	Spark arresters for locomotives, &c.	Elliott	P. 14,865
	Group 18.—Stones, Cement, &c.		
18.3	Waterproof Portland cement	Newberry	14,699
18.5	Prickly pear compo.	Hull	P. 14,712
	Group 19.—Glass and Ceramics.		
19.1	Fluted roofing tile	Matheson	12,705
19.1	Preparation of clay for bricks, &c.	Grayson	P. 14,876
19.1	Wire cut brick press	Sims	P. 14,946
	Group 20.—Solid and Liquid Fuel.		
20.2	Distillation of coal, &c. (16.2)	Parker	P. 14,887
20.6	Removing tar from hot gases. (21.5)	Hilgenstock	14,784
	Group 21.—Gas for Light and Heat.		
21.4	Carbureting air	Jones	P. 14,907
21.5	Treating gases or vapours by liquids	Moscicki	14,693
21.5	Removing tar from hot gases. (20.6)	Hilgenstock	14,784
	Group 22.—Candles and Lamps.		
22.1	Candlestick	Grant	P. 14,933
22.4	Decanting kerosene, &c.	Ross	12,492
22.4	Tilting and emptying kerosene cans, &c.	White	14,749
22.4	Kerosene pump grip and opener	Knight	P. 14,955
22.8	Pressure controlled gas lighting	Morrison	12,193
22.8	Lighting and extinguishing gas lamps	McNab	P. 14,697
22.8	Lighting, &c., gas lamps	Brazier	P. 14,875
	Group 23.—Bunsen and Incand. Burners.		
23.5	Incandescent gas mantles	Williams	P. 14,707
	Group 24.—Domestic Heating; Cooking.		
24.2	Bracket arm carriers for fuel boxes. (Sec. 85. 6402/*06*)	Lockley	P. 14,776
24.2	Furnaces. (63.4) (Sec. 121. U.S.A., 27 June/*08*)	Lee	14,826
24.2	Fuel and heat economizer	Haines	P. 14,839
24.2	Cooking apparatus for hob-grates	Gibson	P. 14,879
24.5	Heating fluids	Douglas	14,698
24.5	Water heater	Jackson	P. 14,769
24.5	Heater	Davis	P. 14,863

Class	Title.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes.		
25.2	Mittens for scullery, laundry, &c. (43.6)	Norman	P. 14,742
25.2	Clothes washing machine	Blackburn	P. 14,914
25.5	Washing, &c., drinking vessels, &c.	Kemp	P. 14,722
25.8	Broom pad	Ross	P. 14,745
25.8	Broom handle and socket	Penney	P. 14,873
	Group 27.—Beverages.		
27.3	Arresting and preventing decay of teeth. (87.1)	Rolfe	14,721
27.8	Filling casks with beer, &c.	Torpy	P. 14,702
	Group 28.—Distillation and Filtration.		
28.1	Filter	Morrison	P. 14,764
28.5	Evaporating apparatus	Eijdman	14,785
	Group 29.—Refrigeration.		
29.3	Butter, &c., cooler	Cort	14,070
29.3	Chilling and preserving chambers. (29.7; 81.1)	Mederer	14,737
29.3	Combined water-bottle and filter	M.-Hamilton	P. 14,903
29.7	Cooling chambers for storing meat, &c.	Aitken	P. 14,711
29.7	Chilling and preserving chambers. (29.3; 81.1)	Mederer	14,737
	Group 30.—Ploughing.		
30.2	Pulling down standing timber. (59.1)	Nowland	12,370
30.2	Apparatus and method of killing prickly pear, &c.	Davis	P. 14,803
30.2	Machine for uprooting prickly pear	Howcroft	P. 14,843
30.2	Stone gathering machines	Burnham	P. 14,870
30.2	Stone removing machine	Burnham	P. 14,871
30.2	Extracting trees, &c. (59.1)	Fry	P. 14,913
30.3	Tine foot and share attachment for ploughs, &c.	Burgess	14,953
30.5	Disk cultivator and skim plough. (30.7)	Grinter	12,168
30.7	Disk cultivator and skim plough. (30.5)	Grinter	12,168
30.7	Stump-jump disk ploughs, &c. (30.9)	Smith	12,536
30.7	Disk stump-jump plough, &c. (30.9)	McFarlane	P. 14,976
30.9	One-way stump-jump disk cultivators	Barger	12,327
30.9	Stump-jump disk ploughs, &c. (30.7)	Smith	12,536
30.9	Draught adjusting for stump-jump implements	Shearer	P. 14,740
30.9	Swing-lift disks for ploughs, &c.	Morrow	P. 14,775
30.9	Disk stump-jump plough, &c. (30.7)	McFarlane	P. 14,976
	Group 31.—Cultivation.		
31.1	Seed, &c., distributing attachments to ploughs	Bolden	P. 14,715
31.1	Hoe supports for grain, &c., drills	Thomas	P. 14,767
31.1	Combined ploughing, harrowing and seed sowing machine. (31.2)	Capel	P. 14,804
31.1	Planting potatoes, &c.	Williams	14,889
31.1	Attachments for agricultural drills, &c.	Blake	P. 14,917
31.2	Adjustably securing spring teeth on cultivators	Phillips	12,503
31.2	Combined ploughing, harrowing and seed sowing apparatus. (31.1)	Capel	P. 14,804
31.5	Aphis trap ring	McCrea	P. 14,687
31.5	Prickly pear, &c., destruction	Grant	P. 14,713
31.9	Combined spray and jet for garden hose	Slade	P. 14,872

Class.	Title.	Name.	Number.
	Group 32.—Harvesting.		
32.1	Scrub slasher	Goode	P. 14,688
32.2	Sheaf shockers	Perrin	14,801
32.2	Shoot cutting machine	Andrew	P. 14,935
32.3	Raising and lowering stripper, &c., combs	Davies	12,811
32.3	Draught gear for strippers, harvesters, &c.	Mangelsdorf	P. 14,738
32.3	Stripper harvesters, &c.	Davis	P. 14,896
32.6	Harvester for peas, &c.	Blackwell	12,406
32.7	Storing and preserving succulent fodder. (57.3)	Jennings	12,836
32.7	Machine for digging, &c., potatoes, &c.	Bradley	P. 14,685
	Group 33.—Tropiculture.		
33.1	Cane harvester	Hurrey	14,971
33.3	Stemming tobacco leaves	Strickland	14,832
33.5	Smoking pipe free from nicotine	Rossiter	P. 14,802
	Group 34.—Cereals, Vegetables, Fruit.		
34.1	Pineapple peeling machine	Irving	P. 14,772
34.3	Milling flour. (Sec. 121. G.B.13,135/08)	Humphries	14,783
	Group 35.—Meat Food.		
35.1	Skinning machine	Davey	P. 14,951
	Group 36.—Dairy Food.		
36.2	Strainers for milk and other liquids	McQuade	P. 14,689
36.2	Cream pump. (68.3)	Hartmann	P. 14,840
36.7	Butter churns and workers	Hartmann	P. 14,841
36.7	Withdrawing butter from churns	Camm	P. 14,958
	Group 37.—Pastoral.		
37.3	Cow bails, drafting gates, horse crushes, &c.	Buchanan	14,700
37.4	Sheep, &c., brand...	Jolly	12,575
37.6	Sheep-shearing machine	Neighbour	P. 14,718
37.6	Conveyance of power to machine sheep shears	Cooper	P. 14,786
37.6	Shearing and clipping animals	Brewster	P. 14,961
	Group 38.—Fowling; Fishing; Trapping.		
38.3	Determining sex of embryo in eggs	Ewing	P. 14,915
38.4	Uncapping honey-comb and separating honey, &c.	Geue	12,299
38.5	Fishing alarm	Rushworth	P. 14,809
38.6	Traps for catching hares, &c.	Hyland	P. 14,860
38.9	Fumigating and disinfecting. (86.2)	Dennis	P. 14,779
	Group 39.—Harness; Animal Power.		
39.5	Horse and cattle rugs, &c.	O'Neil	P. 14,975
39.6	Brakes for road vehicles. (93.3; 93.7)	Simmonds	13,928
39.8	Knee-pads for riding saddles	Hill	14,949
	Group 42.—Sewing.		
42.3	Guide attachment for button-holing collars. (43.1)	Sheldrick	P. 14,724
42.7	Sewing machines. (44.5)	Eppler	12,462

Class	Title.	Name.	Number.
	Group 43.—Wearing Apparel.		
43.1	Marking material for folding, pleating, &c.	Vincent	12,782
43.1	Guide attachment for button-holing collars. (42.3)	Sheldrick	P. 14,724
43.1	Machines for making wire garment stays. (48.5)		14,965
43.3	Waterproof coat	Weingott	12,403
43.3	Slip-bodice and dress preserver	Nesbitt	14,217
43.3	Stockings and socks	Eden	14,868
43.6	Design of glove	Parslow	P. 14,692
43.6	Mittens for scullery, laundry, &c. (25.2)	Norman	P. 14,742
43.7	Shaving brush and soap receptacle	Fairclough	12,528
43.7	Composition for the hair. (87.1)	Purnell	14,818
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Sporting or military boot	Sanders	P. 14,748
44.1	Lacelock	Mercer	P. 14,793
44.1	Closing boots, shoes, &c. (Sec. 85, 11,602/*08*)	Dugins	P. 14,812
44.1	Lace-lock and tongue-holder	Mercer	P. 14,814
44.3	Boot, &c., heels	Fenton	14,254
44.3	Revolvable resilient boot heel	Haslam	P. 14,836
44.5	Sewing machines. (42.7)	Eppler	12,462
44.5	Machines for conforming uppers to lasts	Ashton	12,727
44.5	Presses. (47.3)	Bates	12,728
44.5	Heel nailing machines. (78.1)	Webster	12,939
44.5	Heating tools electrically. (04.3 ; 06.7)	Oertly	P. 14,708
44.5	Heel attaching machines	Bates	P. 14,827
44.5	Mechanisms for inserting fastenings	Foye	P. 14,828
44.5	Boot machines. (Sec. 121. U.S.A.441,836/*08*)	Matthews	14,829
44.5	Sole levelling machines. (Sec. 121. U.S.A.448,836/*08*) ...	Rigby	14,830
44.5	Boot machines. (Sec. 121. U.S.A.441,845/*08*)	Busell	14,835
	Group 45.—Furniture.		
45.1	Baby's safety chair	Gorrie	P. 14,771
45.1	Portable hammocks, &c. (45.2) (Sec. 121. Belgium, 7 July/*08*)	Thomson	14,885
45.2	Portable hammocks, &c. (45.1) (Sec. 121. Belgium, 7 July/*08*)	Thomson	14,885
45.3	Trestles	Read	P. 14,787
45.3	Folding apparatus for tables for billiards. (53.6)	Laurence	P. 14,902
	Group 46.—Upholstery.		
46.4	Stair carpets	Garran	P. 14,759
	Group 47.—Leather and Plastics.		
47.2	Treating hides and leather. (47.3)	Lungley	P. 14,758
47.3	Presses. (44.5)	Bates	12,728
47.3	Substitute for leather-board	Ostberg	14,743
47.3	Treating hides and leather. (47.2)	Lungley	P. 14,758
47.5	Composition	Anderson	P. 14,981
	Group 48.—Paper; Bookbinding.		
48.5	Device for carrying eggs, bottles, &c. (57.9)	Cone	P. 14,684
48.5	Paper vessels for milk, &c., delivery	Taylor	14,791
48.5	Spirally wound tubes	Jenkins	14,813
48.5	Paper, &c., bags. (Sec. 121. G.B.13,892/*08*)	Robinson	14,898
48.5	Machines for making wire garment stays. (43.1)		14,965
48.8	Multiple indicator file	McLean	P. 14,750
48.9	Attachment for ruling mitred margin line paper	Emerson	P. 14,922

Class	Title.	Name.	Number.
	Group 49.—Clerical; Scholastic; Artistic.		
49.1	Combination note book pen...	George	P. 14,731
49.1	Copyist's indicator apparatus	Gladman	P. 14,774
49.1	Copy-holder for typewriters, &c.	Riley	14,789
49.6	Adjustably supporting blackboards	Franklin	P. 14,781
	Group 50.—Typographic Printing.		
50.4	Typewriter ribbons; renewing old ones	Sinclair	P. 14,817
50.5	Typographical composing and casting machines	Pearce	14,966
50.8	Printing presses	Cartwright	14,963
50.8	Printing presses	Cartwright	14,964
	Group 52.—Photography.		
52.1	Focussing hoods of photographic cameras	Brissenden	P. 14,746
52.1	Camera. (53.4)	Curtis	14,823
	Group 53.—Amusements.		
53.2	Bowling machine. (Sec. 121. G.B.12,388/*08*)	Venn	14,734
53.4	Camera. (52.1)	Curtis	14,823
53.6	Table combination game. (54.1)	Wright	P. 14,846
53.6	Folding apparatus for tables for billiards. (45.3)	Laurence	P. 14,902
53.6	Billiard cues. (Sec. 121. G.B.20,725/*08*)	Ransom	14,923
53.7	Indoor war game	Jessep	P. 14,728
53.7	Cue and balls table football game	Harvey	P. 14,895
53.9	Flying machine	Orford	P. 14,690
53.9	Ball-bearing skipping rope	Murphy	P. 14,838
	Group 54.—Commerce.		
54.1	Displaying advertisements	Smith	P. 14,770
54.1	Automatic advertiser	Edwards	P. 14,777
54.1	Night colour signals on tram-cars, &c.	Ashworth	P. 14,788
54.1	Table combination game. (53.6)	Wright	P. 14,846
54.1	Displaying advertisements, &c.	Rourke	P. 14,882
54.1	Displaying advertisements	Wright	P. 14,924
54.3	Machines for stamping, &c., mail matter, &c.	Wright	P. 14,979
54.4	Telephone toll recorder and calendar	Aitken	P. 14,780
54.4	Pillar perpetual almanac	Day	14,943
54.5	Home savings bank. (55.2)	Henius	12,379
54.7	Thief-proof stand for displaying goods	Wright	P. 14,751
54.7	Transparent cover for displaying butter in boxes	Blackham	P. 14,972
	Group 55.—Money.		
55.2	Home savings bank. (54.5)	Henius	12,379
55.7	Locking magneto call telephones. (05.6)	Julius	14,792
	Group 56.—Counting, Measuring, Weighing.		
56.2	Telephone call check and general tallyboard	Hornemann	P. 14,701
56.2	Telemeter. (05.6)	Erickson	P. 14,725
56.2	Machine for adding up figures	Tattam	P. 14,874
56.6	Speed indicators for ships. (92.0)	Cotton	12,278
56.6	Indicating ship's deviations from course. (00.5; 92.0)	Hennah	14,752
56.6	Recording, &c., ship's deviation from course. (00.5; 92.0) ...	Hennah	14,753
56.8	Weighing apparatus. (Sec. 121. N.Z.24,588/*08*)	Hutchinson	14,929

Class.	Title.	Name.	Number.
	Group 57.—Packing, Compressing, Bottling.		
57.1	Triple handle twine bag, &c.	Fels	P. 14,755
57.1	Wool bale fastener	O'Beirne	P. 14,768
57.2	Casks, &c.	Houlker	14,908
57.3	Wool presses, &c.	McDonald	12,390
57.3	Storing and preserving succulent fodder. (32.7)	Jennings	12,836
57.3	Wool presses	Joy	13,037
57.5	Stopper and capsule for bottles	Hellstrom	P. 14,806
57.8	Handle for kerosene tins, &c.	Murray	14,912
57.9	Device for carrying eggs, bottles, &c. (48.5)	Cone	P. 14,684
57.9	Packing fruit	Lomas	P. 14,861
	Group 58.—Chains, Ropes, Wire.		
58.3	Wire strainers	Towt	14,082
58.3	Wire strainers	Donald	P. 14,869
58.3	Wire strainer	Edwards	P. 14,920
58.3	Wire strainer and knot maker	Edwards	P. 14,921
58.3	Wire strainer	Browne	P. 14,962
58.7	Safety hook	Ryan	14,849
	Group 59.—Conveying and Lifting.		
59.1	Pulling down standing timber. (30.2)	Nowland	12,370
59.1	Electrically driven pulley blocks. (04.7)	Gese	14,682
59.1	Extracting trees, &c. (30.2)	Fry	P. 14,913
59.2	Safety lock for lifts, &c.	West	13,563
59.2	Speed governor for elevators, &c.	Dickinson	P. 14,910
59.2	Cable grip for skips, &c.	Ward	P. 14,938
59.9	Hoisting, lowering, &c.	Alexander	14,736
	Group 60.—Mechanism; Lubrication.		
60.2	Transmission of power. (95.9)	King	14,795
60.9	Combined cock and lubricator. (74.7)	Cornell	12,544
	Group 61.—Governors.		
61.9	Fluid pressure engines. (Sec. 121. G.B.14,761/*08*)	Bailey	14,901
	Group 62.—Power Storage.		
62.1	Water wheel for irrigation, &c.	Baptista	P. 14,794
62.1	Self-propelling engine	Castles	P. 14,905
62.1	Weight driven motor for pumps, &c.	Moeschl	P. 14,968
62.7	Mill belt fastener	Kerby	P 14,761
62.8	Traction engines, &c. (95.2 ; 95.7 ; 95.9)	Quinlivan	12,781
62.8	Construction of universal joints	Quinlivan	P. 14,797
	Group 63.—Steam Power.		
63.2	Pumps for boiler feeding, &c.	Edwards	P. 14,952
63.4	Furnaces. (24.2). (Sec. 121. U.S.A., 27 June /*08*)... ...	Lee	14,826
63.4	Boilers and furnaces. (Sec. 121. U.S.A., 461,712/*08*) ...	Ellis	14,847
63.4	Steam generator	Joynson	P. 14,934
	Group 64.—Cranked Engines.		
64.5	Steam and other fluid engines. (64.8)	Holle	14,741
64.8	Steam and other fluid engines. (64.5)	Holle	14,741
64.8	Variable stroke fluid machine	Hele-Shaw	14,960

Class	Title.	Name.	Number.
	Group 67.—Turbines; Rotary Motors.		
67.5	Water wheel	Balcarras	P. 14,925
	Group 68.—Pumps for Liquids.		
68.3	Cream pump. (36.2)	Hartmann	P. 14,840
	Group 72.—Turning; Milling; Fitting.		
72.1	Monkey wrench	Fitridge	12,607
72.1	Ratchet wrench and drill stock. (85.8)	Apthorpe	P. 14,909
72.1	Adjustable nut and pipe wrench	Echberg	P. 14,969
	Group 73.—Sheet Metal Work.		
73.1	Galvanizing	Davies	P. 14,854
73.2	Forming rigid metal angle pieces	Phipps	14,344
73.2	Machine for bending sheet metals	Price	P. 14,911
	Group 74.—Pipes and Fittings.		
74.7	Combined cock and lubricator. (60.9)	Cornell	12,544
74.7	Pedal action cantilever tap	Haslam	P. 14,904
	Group 75.—Abrading and Polishing.		
75.2	Razor hone with depressed interruptions	Smith	14,825
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Lever locking stile for gates, &c. (81.9)	Purser	P. 14,706
77.1	Automatic lock for doors, gates, &c.	Otto	P. 14,798
77.1	Combination or keyless locks. (77.5)	Farrand	14,810
77.3	Weightless sash frame for windows, &c. (78.6; 81.5)	Roberts	12,515
77.5	Combination or keyless locks. (77.1)...	Farrand	14,810
	Group 78.—Structural Hardware.		
78.1	Heel nailing machines. (44.5)	Webster	12,939
78.1	Machines for fitting cone-washer heads on nails	Marks	14,694
78.1	Railway spike. (98.4)	Columbia	14,822
78.2	Detachable wall-hook for pictures, &c.	Stevens	P. 14,842
78.4	Nut locks	Wigmore	P. 14,918
78.6	Weightless sash frame for windows and doors. (77.3; 81.5) ...	Roberts	12,515
78.7	Self-acting window locks. (Sec. 85. 3891/05)	Moss	P. 14,859
78.7	Hanging window sashes	Henry	P. 14,941
78.7	Window guard	Ross	P. 14,942
78.8	Fastening for doors, &c.	Boran	12,523
78.8	Door stop	Wilson	13,991
78.8	Door catch or retainer	Elvery	P. 14,760
78.8	Operating doors of motor cars, &c. (93.9)	Grummett	P. 14,880
78.9	Bracket for spouting. (81.4)	Flintoff	12,540
	Group 79.—Paints, Adhesives, &c.		
79.3	Compounds for preservation of steel, &c.	Lungley	P. 14,757
	Group 80.—Carpentry.		
80.1	Preservation of wood	Walker	P. 14,978
80.5	Utilizing wind from circular saws to remove sawdust	McGillivray	P. 14,716

Class.	Title.	Name.	Number.
	Group 81.—Buildings, Streets, Fencing.		
81.1	Cooling houses or rooms. (81.6)	Mellor	12,341
81.1	Chilling and preserving chambers. (29.3; 29.7)	Mederer	14,737
81.3	Adjustable scaffold apparatus	Martin	P. 14,691
81.3	Sound proof box for telephones, &c. (91.1)	Colwill	14,931
81.4	Bracket for spouting. (78.9)	Flintoff	12,540
81.4	Roofs, &c., of malthoid, ruberoid, &c.	Button	12,994
81.5	Weightless sash frame for windows, &c. (77.3; 78.6) ...	Roberts	12,515
81.6	Cooling houses or rooms. (81.1)	Mellor	12,341
81.6	Building construction for ventilation	Arnold	14,866
81.8	Fence droppers	Donald	P. 14,729
81.8	Fencing dropper	Loewenthal	14,796
81.8	Fence standard	Smith	P. 14,980
81.9	Gates	Purser	13,794
81.9	Lever locking stile for gates, &c. (77.1)	Purser	P. 14,706
81.9	Latch for gates, doors, &c.	Clifton	P. 14,735
	Group 82.—Harbours, Foundations.		
82.4	Wave engines	Robshaw	P. 14,853
82.6	Sinking subaqueous tunnels. (85.1)	Hoff	14,848
82.6	Constructing concrete works in water	Rumble	P. 14,850
	Group 83.—Waterworks.		
83.1	Cleansing and delivering roof water, &c.	Lewis	14,739
83.1	Dirt intercepter and filter for water tanks	Morrison	P. 14,763
83.1	Float-stoppered cistern for roof washings	Crowther	14,855
	Group 84.—Excavation and Dredging.		
84.3	Excavating machinery	Dunlop	12,102
84.3	Scraper, grader and roller	Moloney	13,342
84.3	Earth scoops	Noack	14,754
84.3	Land levelling implements	Pavey	P. 14,884
84.3	Machine for cutting trenches, &c.	Stansmore	P. 14,950
84.6	Excavating machines	Cole	P. 14,723
	Group 85.—Mining.		
85.1	Sinking subaqueous tunnels. (82.6)	Hoff	14,848
85.4	Hammer drills	Taylor	14,831
85.7	Guttering or grooving rock and stone	Bowser	P. 14,703
85.8	Ratchet wrench and drill stock. (72.1)	Apthorpe	P. 14,909
85.9	Watering of rock drills	Abbott	P. 14,726
	Group 86.—Sanitation.		
86.1	Swimming bath	Cobden	P. 14,890
86.1	Cast-iron combination trough waste	Naylor	P. 14,897
86.2	Carcass for earth closets. (86.3)	Gray	12,569
86.2	Flushing cistern	Monteath	14,695
86.2	Fumigating and disinfecting. (38.9)	Dennis	P. 14,779
86.3	Carcass for earth closets. (86.2)	Gray	12,569
86.3	Closure cabinet for excreta tubs	Garstang	14,856
86.4	Ventilating shaft support	McEwan	P. 14,927
86.5	Scavenging and cleaning apparatus	Twining	P. 14,858
86.5	Fastening lids of rubbish cans, &c.	Davis	P. 14,864
86.5	Movable cover and tail board for garbage carts, &c. (93.1) ...	George	P. 14,932

Class.	Title.	Name.	Number.
	Group 87.—Medicine.		
87.1	Arresting and preventing decay of teeth. (27.3)	Rolfe	14,721
87.1	Composition for the hair. (43.7)	Purnell	14,818
87.1	Embrocation and liniment	Weatherilt	P. 14,837
87.1	Tobacco smoking cure	Trouchet	P. 14,899
87.1	Household liniment	Tremlett	P. 14,926
87.3	Ambulance stretcher	Bayne	P. 14,747
87.4	Crutch. (97.80)	Marshall	P. 14,973
	Group 88.—Salvage, Accidents.		
88.2	Preventing gas explosions. (Sec. 121, G.B. 21 Apr./09) ...	van de Kamp	14,891
88.2	Auto-electric heat and fire alarm. (04.3)	Bruning	14,936
88.5	Burglary detector	Daeger	P. 14,900
	Group 89.—War.		
89.5	Target carrier, running man, &c.	Austin	P. 14,717
89.5	Range finder and distance measurer	Harrison	P. 14,811
89.5	Measuring tangent ratios for range finding, &c. (00.4) ...	O'Neill	P. 14,894
89.5	Automatic target	McMahon	P. 14,948
89.5	Rifle sights	Piesse	14,959
	Group 90.—Wind and Flying Machines.		
90.3	Aeroplanes, &c., for mechanical flight	Edwards	14,790
90.3	Aerial machines	Ewing	P. 14,916
90.3	Air ship	Francis	P. 14,937
90.7	Swinging fan windmill	O'Dwyer	P. 14,727
90.7	Gearing of windmills	Fortescue	P. 14,762
90.9	Chimney and smoke stack. (17.1)	Corregan	14,824
	Group 91.—Ship Building.		
91.4	Lowering, launching, &c., lifeboats	Cavill	P. 14,877
	Group 92.—Marine Propulsion.		
92.0	Speed indicators for ships. (56.6)	Cotton	12,278
92.0	Indicating ship's deviations from course. (05.5; 56.6)	Hennah	14,752
92.0	Recording, &c., ship's deviation from course. (00.5; 56.6) ...	Hennah	14,753
92.6	Differential rowlock	Gummerson	P. 14,756
	Group 93.—Road Vehicles.		
93.1	Balancing the load on two-wheeled vehicles	Mull	12,703
93.1	Movable cover and tail board for garbage carts, &c. (86.5) ...	George	P. 14,932
93.2	Convertible single or double seated vehicles	Bewicke	P. 14,744
93.3	Brakes for road vehicles. (39.6; 93.7)	Simmonds	13,928
93.3	Securing axles in naves of vehicle wheels	Rodda	14,888
93.3	Vehicle brakes. (93.7)	Marchesi	14,919
93.7	Brakes for road vehicles. (39.6; 93.3)	Simmonds	13,928
93.7	Vehicle brakes. (93.3)	Marchesi	14,919
93.9	Operating doors of motor cars, &c. (78.8)	Grummett	P. 14,880
	Group 94.—Cycles.		
94.1	Motor attachments for velocipedes	Wall	14,967

Class.	Title.	Name.	Number.
	Group 95.—Locomobiles.		
95.2	Traction engines, &c. (62.8; 95.7; 95.9)	Quinlivan	12,781
95.7	Traction engines, &c. (62.8; 95.2; 95.9)	Quinlivan	12,781
95.9	Traction engines, &c. (62.8; 95.2; 95.7)	Quinlivan	12,781
95.9	Transmission of power. (60.2)	King	14,795
	Group 96.—Rolling Stock.		
96.1	Operating the bottoms of coal, &c., trucks	Mepham	P. 14,970
96.3	Railway couplings	Price	12,380
96.3	Hollow draw bar railway coupling	Miller	P. 14,867
96.6	Air pressure brake	Stokes	P. 14,857
	Group 97.—Wheels.		
97.4	Vehicle wheel	Angst	14,954
97.80	Crutch. (87.4)	Marshall	P. 14,973
97.81	Tyre for cycles, motor cars, &c.	Dodwell	P. 14,651
97.81	Resilient tyre	Burrell	P. 14,683
97.83	Puncture proof pneumatic tyre and fastening	McBride	P. 14,720
97.85	Pneumatic bladders of footballs, &c.	Edmonds	P. 14,719
97.85	Air valve for bicycles, &c.	Ploog	P. 14,773
97.89	Pneumatic tyres	Johnston	14,263
97.89	Adjustable tyre protector fastener	Ryan	P. 14,799
97.89	Motor tyre cover	Ryan	P. 14,815
97.89	Pneumatic tyres	Johnston	P. 14,892
97.89	Tyre attachment to prevent skidding, &c.	Curnow	P. 14,906
	Group 98.—Permanent Way.		
98.1	Rail joint	Allan	P. 14,939
98.1	Moving machines for dressing rails in situ	Woods	P. 14,974
98.2	Switch throwing devices. (Sec. 121. U.S.A.917,652/09) ...	Petersen	14,820
98.2	Controlling gates of level crossings	O'Toole	P. 14,881
98.4	Railway spike. (78.1)	Columbia	14,822
98.6	Break of gauge for railways	Johnson	P. 14,928
	Group 99.—Signalling.		
99.4	Railway safe working instruments	Brain	14,845
99.6	Coding and deciphering coded messages	Rogers	P. 14,714
99.6	Private telephone conversations	Lloyd	P. 14,816
99.8	Balance for knocker lines in mines	Cain	P. 14,886

DESCRIPTIVE SUBJECT INDEX

TO SPECIFICATIONS OPENED TO INSPECTION.

JUNE, 1909.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The numbers stated in parentheses after the subject indicate classes in which entries have also been made.

Applications under Section 121 are indexed at the stage at which they become open to public inspection.

Class.	Subject.	Name.	Number
	Group 00.—Science.		
00.1	Railway dials; large minute figures in main prominence on outer circle; smaller hour figures on inner circles; three designs ..	Ferguson	13,376
	Group 01.—Acoustics.		
01.1	Combination noise-producing cabinet for military, meteorological, and municipal effects with kinematograph, &c. (01.6; 53.4)	Rousselot	11,704
01.3	Finger lever frame for attachment to guitars, &c.; stopping single notes or chords by one finger	Hull	13,387
01.6	Perforated sheet driven by kinematograph controlling noise illusion mechanism. (01.1; 53.4)	Rousselot	11,704
01.7	Cylinder machine; carried with transverse screw adjustment and adjustable guide roller; compression spring for stylus holder ..	Boultbee	13,182
	Group 03.—Electric Railways and Power.		
03.2	Electric insulator; japan glue dissolved in glycerine, with salicylic acid, tannin, lysoform, and hexamethylene-tetramine. (29.7; 97.81) ..	Holst	13,542
	Group 04.—Electric Apparatus.		
04.3	Reversible and renewable contact-piece for ends of arms in electric controllers, switches, &c. (04.7)	White	13,347
04.7	Screw compression rheostat; packed with elastic flake mica mixed with graphite and sand or conducting earths..	Martin	12,178
04.7	Reversible and renewable contact-piece for ends of arms in electric controllers, switches, &c. (04.3)	White	13,347
	Group 07.—Electrolysis and Batteries.		
07.1	Single cell electrolyte not attacking the zinc on open circuit, chromic and hydrochloric acids, and acid alkaline sulphate, &c.	Sandy	13,276
07.2	Use of porous-clay packing for oil gas dissociation; five plant diagrams. (16.2; 21.3; 66.5)	Benham	13,590

Class.	Subject.	Name.	Number.
	Group 09.—Organic Chemistry.		
09.6	Maceration of fresh leaves in ammoniacal tobacco liquor, transfer of nicotine to acid liquor in adjoining compartment of double tank, by a slowly circulated upper layer of petrol; plant diagram. (33.3) ..	Parant	13,443
	Group 10.—Crushing and Grinding.		
10.6	In rotary pulverizers; casing for worm-feed air-circulating jacket; shaking tray sieve. (11.3.) (Sec. 121. G.B. 12,164/*08*)	Leslie	14,631
	Group 11.—Mech. and Elec. Separation.		
11.3	Tray on spring lath standards; eccentric drive. (10.6.) (Sec. 121. G.B. 12,164/*08*)	Leslie	14,631
11.7	Electro-magnets with poles moving through holes in false bottom tray. (11.9; 12.1; 13.2; 17.5)	Argles	12,800
11.9	Alluvial plant; sluice boxes, grids and screens with automatic rakes, skimmer, electro-magnetic separator, trough amalgamator, endless belts, collecting troughs, chemically saturated belt, and drying oven. (11.7; 12.1; 13.2; 17.5)	Argles	12,800
11.9	Piston jigs; separating the stratified deposit from lower part of screen, by vertically adjustable shields each diverting one layer for subsequent treatment. (12.2)	Woodbury	13,805
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Sluice box; grids, screens, paddle driven rakes; top water diversion. (11.7; 11.9; 13.2; 17.5)	Argles	12,800
12.1	Conical settling vat; continuous removal of deposit by plates helically arranged and rotating in external inclined tube. (28.1)	Arbuckle	13,754
12.2	Piston jigs; separating the stratified deposit from lower part of screen, by vertically adjustable shields each diverting one layer for subsequent treatment. (11.9)	Woodbury	13,805
	Group 13.—Amalgamation.		
13.2	Conical chambers delivering into annular amalgamating trough. (11.7; 11.9; 12.1; 17.5)	Argles	12,800
	Group 14.—Leaching Metallurgy.		
14.5	Treating hot roasted ore with reversible currents of hot chlorine water; plant. (14.7)	Edwards	13,719
14.7	Chlorinating plant; oscillating chlorine generator, gas towers, pressure chlorinating and filtering vat. (14.5)	Edwards	13,719
	Group 15.—Metallurgy in Furnaces.		
15.4	Use of lead slags as solvent of blende, &c., in bath processes for direct reduction by metallic iron; with recuperation of the zinc from the slag. (15.5)	Imbert	13,707
15.5	Use of lead slags as solvent of blende, &c., in bath processes for direct reduction by metallic iron; with recuperation of the zinc from the slag. (15.4)	Imbert	13,707

Class.	Subject.	Name.	Number.
	Group 16.—Furnaces.		
16.2	Battery of vertical retorts of small diameter with common top and bottom fittings, for process *as* 8447/*07*. (20.2; 21.1)	Parker	13,141
16.2	Inclined oil-gas retort tubes connected in water tube boiler. (07.2; 21.3; 66.5)	Benham	13,590
16.30	Grate and hearth for gas producer; packed rake and lateral ash wells; sliding doors for rapid discharge; three designs. (16.8) ..	Berry	11,546
16.30	Gas producer; coned grate surrounded by water-tank seal; forced blast through submerged pipe with ash-rake door. (16.8) ..	Schmidt	12,694
16.8	Grate and hearth for gas producer; packed rake and lateral ash wells; sliding doors for rapid discharge; three designs. (16.30) ..	Berry	11,546
16.8	Gas producer; coned grate surrounded by water-tank seal; forced blast through submerged pipe with ash-rake door. (16.30)	Schmidt	12,694
16.8	System and furnaces for mixed downward and upward combustion; fuel hoppers above lateral rocking step-grate; central combustion grate below water-box with central passage to flame chamber; five designs for power and domestic heating. (24.2; 24.5; 63.4.) (Sec. 121. U.S.A., 27 June, 1908)	Lee	14,826
	Group 17.—Chimneys, Fumes, Smoke.		
17.5	Ore carried on belt through drying oven. (11.7; 11.9; 12.1; 13.2) ..	Argles	12,800
	Group 18.—Stones, Cement, &c.		
18.3	Accelerating the setting of wall plaster; addition of calcium aluminates, plaster of paris, &c., to the slacked lime	Spackman	11,762
18.5	Concrete with a mixture of metallic fibres, strips, strands or short bars kneaded in. (81.2)	McMullen	12,785
	Group 19.—Glass and Ceramics.		
19.6	Pneumatic bottle machine; vertically hinged moulds on turret-table beneath turnover bracket-heads	Rohrbach	13,778
	Group 20.—Solid and Liquid Fuel.		
20.2	Partial distillation of pulverized coal under compression in vertical retort tubes; for fuel *as* 8447/*07*. (16.2; 21.1)	Parker	13,141
	Group 21.—Gas for Light and Heat.		
21.1	Partial distillation of pulverized coal under compression in vertical retort tubes; for products *as* 8447/*08*. (16.2; 20.2)	Parker	13,141
21.3	Use of porous-clay packing for oil gas dissociation; five plant diagrams. (07.2; 16.2; 66.5)	Benham	13,590
21.4	Plant diagram; petrol fed proportionately by air-meter	Shearer	13,059
21.5	Purifier for acetylene; alternate layers of charcoal and wadding; inlet strainer. (21.87)	Black	12,206
21.87	Water drum and gas collector, with side shoot for carbide feed, conical bottom and central stirrer, purifier, &c. (21.5)	Black	12,206
	Group 23.—Bunsen and Incand. Burners.		
23.1	Heat radiating bunsen burner; conical mixing chamber perforated on lower surface; upper perforated radiating cap	Aldwell	11,733
23.3	Liquid fuel burner inside a steam generator, supplied with heated compressed air. (63.6)	Ripert	13,241

Class.	Subject.	Name.	Number.
	Group 24.—Domestic Heating; Cooking.		
24.2	Stove and oven; lateral fuel hopper; rocking grate and water cased flame chamber; mixed downward and upward action. (16.8; 24.5; 63.4.) (Sec. 121. U.S.A., 27 June, 1908)	Lee	14,826
24.5	Hot water circulating cistern; ball tap feeds lower compartment with extra feed pipe to boiler; conical perforated partition. (81.6) ..	Bates	13,857
24.5	Water heater for low-pressure circulation; central fuel hopper; rocking step and flat grates; mixed downward and upward combustion. (16.8; 24.2; 63.4.) (Sec. 121. U.S.A., 27 June, 1908)	Lee	14,826
	Group 25.—Washing; Cleaning; Brushes.		
25.2	Cylindrical cage (with internal radial grids) rotates in a semicylindrical trough; attached wringing press. (25.6)	Pullen	13,799
25.6	Wringer attached to rotary washer; screw-down plunger in perforated box on trunnions. (25.2)	Pullen	13,799
	Group 27.—Beverages.		
27.3	Soda-water fountain, &c.; gauze screens in delivery passage to cause intimate mixture of gas and water; capillary gas hole in water pipe..	Batkin	12,015
27.3	Gravity gas mixer; beverage sprayed down cylinder with perforated baffles; gas ring at bottom	Jenkins	13,217
	Group 28.—Distillation and Filtration.		
28.1	Tiers of radial suction filters in conical settling vat, with interspaced rotary scrapers moving the deposit towards the bottom delivery. (12.1)	Arbuckle	13,754
	Group 29.—Refrigeration.		
29.7	Thermal insulator; japan glue dissolved in glycerine, with salicylic acid, tannin, lysoform, and hexamethylene-tetramine. (03.2; 97.81) ..	Holst	13,542
	Group 30.—Ploughing.		
30.2	Portable stump puller; crab-winch on tilting frame having thrust anchor-plate, raised when travelling. (59.1)	Fisher	13,036
30.3	Adjusting draught height; chain coupling moved in vertical slide by hand lever with quadrant rack; for stump-jump implements ..	White	11,745
30.3	Steering-wheel swivels, having short vertical bearing, and extended radius arm steadied in horizontal slot	Wilson	11,995
30.3	Attaching scarifier share-plates by riveted strip and transverse dove-tailed groove in foot piece	Jones	12,065
30.3	Channel bar as telescopic holder for tine bars that are dropped and reclamped as the end wears	Martin	12,895
30.3	Adjusting sloping tines, &c., by sliding in notches in channel-post with U-bolt clamp	Martin	12,896
30.7	Disk cultivator with attached adjustable packer wheels. (31.2) ..	McKay	11,715
30.9	Share foot held down by nearly straight adjustable toggle links and spiral spring; two designs	Gehling	11,839
30.9	Compound toggle gear for reducing the spring-moment as the share rises. (60.1)	Germein	12,745
	Group 31.—Cultivation.		
31.2	Gang of packer wheels on pivoted frame at rear of cultivators; angle adjustment by lever and rack quadrant. (30.7)	McKay	11,715
31.2	Curved arms on rock-shaft, to lift harrows for clearing the teeth when clogged; operated by lever and quadrant rack	Yeates	12,066

Class.	Subject	Name.	Number.
	Group 32.—Harvesting.		
32.3	Crop-side driving wheel of larger diameter than the land-driver; disengaging clutch coupled to first motion clutch, to prevent lagging ..	Tyers	13,506
	Group 33.—Tropiculture.		
33.1	Cane cutter; carriage with lateral oblique row of circular knives on free pivots; lateral frame hinged for travelling	Ralston	12,426
33.1	Comminution and preliminary drying of cane or beet; for storage and subsequent sugar extraction by diffusion after the harvest ..	McMullen	12,429
33.3	Maceration of fresh leaves in ammoniacal tobacco liquor, transfer of nicotine to acid liquor in adjoining compartment of double tank by a slowly circulated upper layer of petrol; plant diagram. (09.6) ..	Parant	13,443
33.3	Leaf stripping; stems drawn between oval knives by rubber rollers, and cut by sudden closure of disconnecting cam	Gerrie	13,648
33.3	Cartridges of compressed tobacco for pipe smoking; leaf, paper, or foil wrapping	Benjamin	13,817
33.5	Cigarette mouth-piece of varnished formalized gelatine; thimble shape with rolled edge and small end perforation	Levinson	13,617
	Group 36.—Dairy Food.		
36.1	Teat-cup with tube-bag liner; two sides of bag connected directly to opposite sides of vacuum or plenum pulsating pump; attachment and adjustment of bag. (69.4)	Robertson	11,963
36.1	Teat cups for uniform suction; pulsating diaphragm valve (with small perforation) in base of cup; two designs	Henrichsen	13,440
36.2	Prevention of milk adulteration; bulk transport can, floating piston and bottom delivery valve; intermediate interlocking screw-up connexion; portable milk delivery cans (two designs) with measuring pump and counter. (56.5)	Bronner	11,283
36.7	Churning butter by spraying cream in compressed air with subsequent release through automatic clearing valve. (61.9)	Carlson	13,361
36.9	Slack wire cheese cutter; circular graduated base with changeable semicircular cheese guides, and radial slot for cutting wire ..	Mau	12,234
	Group 37.—Pastoral.		
37.1	Castrating pliers; curved upper jaw entering slot of lower jaw; straight cutting blades removably attached close to the jaws by screws. (87.4)	Wilson	13,601
37.3	Drovers' portable fence; flexible rope net suspended by upper thimbles on tension rope. (81.8)	McMaster	12,947
	Group 38.—Fowling; Fishing; Trapping.		
38.6	Double-entrance trap; falling platforms at both ends lift flaps behind the animal after entrance from either end	Speedie	11,795
38.6	Lock-compartment animal trap; end gates (with decoy mirrors) balanced by cords operated by swinging floor	Munro	11,799
38.9	Vermin traps; articles coated with luminous paint and sticky substance or bait; six examples	Muller	13,564
	Group 39.—Harness; Animal Power.		
39.3	Chain and links strapped round the hoof and below the shoe for snow work	Kinnell	13,863

Class.	Subject.	Name.	Number.
	Group 41.—Weaving.		
41.2	Cartridge belt with inwoven pouches having folded expanding bottoms and integral flaps; warp and pick scheme. (89.3)	Batchelder	13,356
41.5	Wire net for bonding brickwork; zigzag wefts twisted round straight warp wires in pairs. (58.5; 81.2.) (Sec. 121. G.B. 13,624/*08*) ..	Johnson	14,054
	Group 42.—Sewing.		
42.3	Tension-brake for shuttle-bobbins; conical wire-spring for axial pressure; fly-over lever catch. (Sec. 121. U.S.A. 908,833/*09*) ..	Bates	14,270
	Group 43.—Wearing Apparel.		
43.9	Blouse fastening; pairs of spring strips, one having sockets to receive the opposed ends	Lister	11,812
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Veldtschoen or stitch-down boots; upper and reinforcements flanged outwardly and stitched directly to insole	Aland	11,610
44.1	One-piece upper; blocked to shape, seam at back, single cut down front for lace opening	Walpole	13,033
	Group 45.—Furniture.		
45.2	Surgical operating chair-couch; socket and rack details; worm adjustments. (87.4.) (Sec. 121. France, 16 June, 1908)	Roubinowitch	14,361
45.5	Swing bracket for tip-up lavatory basin; basin swings to either side or folds flat against the wall. (86.1)	Monteith	12,654
45.5	Sheet metal bath, strengthened by cast iron end-frames, with legs, corner pieces and boarded bottom. (73.1)	Schwer	13,102
	Group 46.—Upholstery.		
46.1	Fabric of stretched and flattened spirals reinforced by longitudinal elastic spiral bands, three arrangements; angle iron transoms, &c.	Armstrong	13,607
	Group 47.—Leather and Plastics.		
47.2	Finishing process; two immersions in wattle bark liquor with terra-japonica or gambier, heated from 110° to 140° Fah.	Kron	10,988
	Group 48.—Paper; Bookbinding.		
48.3	Feeding newspapers to addressing machine; flexible follower in carrier shoot; corrugated retainers; pneumatic sucker for lower edge of papers; electric stops. (54.3; 61.5)	Cox	13,395
48.7	Folding and wrapping newspapers; eight-pocket turret cylinder; plates, webs, and pasting gear. (54.3)	Cox	13,396
	Group 50.—Typographic Printing.		
50.4	Paper clip-guide with diagonal ribs or rollers for paper straightening; ink cover for friction feed-roll; tabulator stops loosely threaded on a rod for security	Davis	13,414
50.8	Newspaper addressing; handling lino-slugs for single and double line addresses; town marking; electric emergency contacts, &c. (54.3; 61.5)	Cox	13,397
	Group 53.—Amusements.		
53.4	Combination noise-producing cabinet for military, meteorological, and other theatrical effects; synchronous kinematograph control by perforated strip. (01.1; 01.6)	Rousselot	11,704

Class.	Subject.	Name.	Number.
	Group 54.—Commerce.		
54.1	Frameworks on vertical axis rotated by cup vanes with centrifugal brake; three designs	Kennedy	13,155
54.3	Feeding newspapers to addressing machine; flexible follower in carrier shoot; corrugated retainers; pneumatic sucker for lower edge of papers; electric stops. (48.3; 61.5)	Cox	13,395
54.3	Folding and wrapping newspapers; eight-pocket turret cylinder; plates, webs, and pasting gear. (48.7)	Cox	13,396
54.3	Newspaper addressing; handling lino-slugs for single and double line addresses; town marking; electric emergency contacts, &c. (50.8; 61.5)	Cox	13,397
	Group 56.—Counting, Measuring, Weighing.		
56.5	Delivery pumps in milk cans; ports to the barrel can only be opened with the piston at extreme ends; two designs. (36.2)	Bronner	11,283
	Group 57.—Packing, Compressing, Bottling.		
57.3	Tenter hooks on rail or frame for holding bale covers during sewing in press	Fisher	12,920
57.4	Crank reciprocated ram for filling bags; adjustable spring clutch allowing the rod to slip up as the bag fills	Cliff	12,245
57.5	Canister; lid closing against internal burnished rib formed in body piece; recess of longitudinal seam filled with solder. (73.2)	Ross	13,575
	Group 58.—Chains, Ropes, Wire.		
58.5	Wire net for bonding brickwork; zigzag wefts twisted round straight warp wires in pairs. (41.5; 81.2.) (Sec. 121. G.B. 13,624/*08*) ..	Johnson	14,054
	Group 59.—Conveying and Lifting.		
59.1	Rack jacks *as* 1412/*04*; modified pawl gudgeons, springs, roller, stops, &c. (60.3)	Trewhella	12,104
59.1	Portable stump puller; crab-winch on tilting frame having thrust anchor-plate, raised when travelling. (30.2)	Fisher	13,036
	Group 60.—Mechanism; Lubrication.		
60.1	Compound toggle gear for reducing the resistance of a spiral spring under increased compression. (30.9)	Germein	12,745
60.2	Cam race for converting rotary into quick-return reciprocating motion. (90.7)	Saunders	13,251
60.3	Lever and double-pawl feed for racks *as* 1412/*04*; modified pawl gudgeons, springs, roller stops, &c. (59.1)	Trewhella	12,104
60.7	Wedge-section packings for pump pistons; annular segments of metal, glass, &c. (68.3)	Saunders	13,252
60.9	Lubricating slides, &c., in meat slicer; oiled felt pads and roller. (76.8)	van Berkel	13,465
	Group 61.—Governors.		
61.5	Electric stops in newspaper feeder; act when two papers or crumpled papers enter rolls. (48.3; 54.3)	Cox	13,395
61.5	Spring feelers with electric connexions in addressing machines. (50.8; 54.3)	Cox	13,397
61.7	Slow closing duplex compound flushing valve; handle operated; four weep-adjusting screws; modified passages. (86.2)	Turnbull	13,716
61.9	Disengagement latch for cream pump-rod; released by excessive pressure of fluid in receiver. (36.7)	Carlson	13,361

Class.	Subject.	Name.	Number.
	Group 62.—Power Storage.		
62.1	Spring motors with oppositely coiled springs coming alternately into action; change over gear	Sandor	12,906
62.4	Locking rotating parts by coiled brake springs; applied to lock-nut, spanner, brake-lever motor steering, &c. (78.4; 94.3; 95.7) ..	de Laitte	13,393
62.7	Roller and disk gear; speed and frictional pressure varied by radial motion of roller; diagrams. (95.9)	Tarrisse	11,648
	Group 63.—Steam Power.		
63.2	Layers of long horizontal U-tubes crossing a layer of inclined rising water-tubes; connexions for flooding superheater. (63.4) ..	Rosenthal	13,293
63.2	Regenerative tanks and connexion system for washing out and refilling locomotive boilers. (Sec. 121. U.S.A. Ser. No. 437,385/*08*) ..	White	13,614
63.4	Water-tube boiler; up-flow tubes are curved for removal through end manhole in drum; vertical down-flow tubes with horizontal headers; superheater tubes, &c. (63.2)	Rosenthal	13,293
63.4	System and furnaces for mixed downward and upward combustion; fuel hoppers above lateral rocking step grate; central combustion grate below water box with central passage to flame chamber; for three types of boiler. (16.8; 24.2; 24.5.) (Sec. 121. U.S.A., 27 June, 1908)	Lee	14,826
63.6	Internal combustion boiler; water tubes containing liquid fuel burner; combustion chamber and helical circulating partitions. (23.3) ..	Ripert	13,241
	Group 66.—Gas and Oil Engines.		
66.2	Internal combustion turbine; fuel and air regeneratively heated and burned under pressure; reversal by double bucket wheel and three-way cock; oscillating air compressor. (66.5; 66.7; 67.1; 69.4)	Hutchings	13,385
66.5	Combustion chamber for gas turbine; flame baffles and regenerative details; two designs. (66.2; 66.7; 67.1; 69.4)	Hutchings	13,385
66.5	Heating oil-gas retorts and apparatus by waste heat of gas engines; three designs. (07.2; 16.2; 21.3)	Benham	13,590
66.7	Reversing-cock in internal combustion turbine with double bucket wheel. (66.2; 66.5; 67.1; 69.4)	Hutchings	13,385
	Group 67.—Turbines; Rotary Motors.		
67.1	Two-stage cruising turbines; segmental guide; partial admission in first expansion stage; three designs. (67.2; 92.2)	Parsons	13,357
67.1	Internal combustion turbine; fuel and air regeneratively heated and burned under pressure; reversal by double bucket wheel and three-way cock; oscillating air compressor. (66.2; 66.5; 66.7; 79.4) ..	Hutchings	13,385
67.2	Reducing skin friction and "spilling" leakage in two-stage turbines, by use of segment of guide blades with gaps having end blocks; drain devices. (67.1; 92.2)	Parsons	13,357
	Group 68.—Pumps for Liquids.		
68.3	Pump cylinder with annular bottom recess around raised central valve for priming water; piston to match. (60.7)	Saunders	13,252
	Group 69.—Blowers and Compressors.		
69.4	Pulsating milking pump; one end exhausts, the other compresses. (36.1)	Robertson	11,963
69.4	Oscillating air compressor in internal combustion turbine; water jacket and gearing details. (66.2; 66.5; 66.7; 67.1)	Hutchings	13,385
69.6	Exhaust fan for cooling car motors; disk with lateral cone and open circumference. (95.3)	De Dion	13,142

Class.	Subject.	Name.	Number
	Group 72.—Turning; Milling; Fitting.		
72.9	Progressive spiral arrangement of radial cutters in screwing dies; thinned pliable end on cutter bar to produce locking threads on screw	Bartmann	12,581
	Group 73.—Sheet Metal Work.		
73.1	Development of sheet-metal for bath-end in cast-iron frame. (45.5) ..	Schwer	13,102
73.2	Clamps for burnishing lid seats in bodies of canisters. (57.5) ..	Ross	13,575
	Group 74.—Pipes and Fittings.		
74.4	Polygonal tapered wooden pipes with ring hoops and wedged or caulked sockets. (80.8; 83.5)	Kinnear	11,460
74.8	Relay-float in auxiliary float-closed chamber for operating a main valve. (83.1)	Bruce	13,679
	Group 76.—Cutlery; Plate.		
76.8	Caterer's slicer; dished rotating disk-knife; table reciprocated by crank links; ratchet and screw feed; lubricating pads. (60.9) ..	van Berkel	13,465
	Group 77.—Locks, Bolts, Safes, &c.		
77.7	Folded lead seals to obviate the threading of the cord; corrugating pincers to prevent the cords slipping; several designs	Laubach	13,382
	Group 78.—Structural Hardware.		
78.1	Roofing nails with twisted shanks; five designs of heads for soft metal caps	McLaren	11,613
78.4	Lock-nut with spiral clip-brake spring and bolt outside the nut; protected by collar on nut; releasing pin	Terry	13,343
78.4	Lock-nut with spiral clip brake around the nut, but hitched to the plate. (62.4; 94.3; 95.7)	de Laitte	13,393
78.4	Lock-washer with polygonal socket and perforated rim, is prevented from turning by clenched cotter	Marshall	13,437
	Group 80.—Carpentry.		
80.8	Polygonal tapered wooden pipes with ring hoops and wedged or caulked sockets. (74.4; 83.5)	Kinnear	11,460
	Group 81.—Buildings, Streets, Fencing.		
81.2	Concrete with a mixture of metallic fibres, strips, strands or short bars kneaded in. (18.5)	McMullen	12,785
81.2	Locking diagonal shear-bars to tension-bars by slitting and notching flanges, &c.; several designs	Thomas	13,375
81.2	Wire net for bonding brickwork; zigzag wefts twisted round straight warp wires in pairs. (41.5; 58.5) (Sec. 121. G.B. 13,624/*08*) ..	Johnson	14,054
81.4	Sheet-iron gutter covers, in sections attached to G.C.I., or to the eave gutter, by hinged flaps and cutter; two designs. (83.1.) (Sec. 85. 10,392/*07*)	Reseigh	12,367
81.6	Hot water circulating cistern; ball tap feeds lower compartment with extra feed pipe to boiler; conical perforated partition. (24.5) ..	Bates	13,857
81.8	Link or sling for fence wires; long wire staple or loop with both ends hooked; two designs	Hayes	12,134
81.8	Drovers' portable fence; flexible rope net suspended by upper thimbles on tension rope. (37.3)	McMaster	12,947
81.8	Notched wooden fence-dropper, with U-ties of wire. (Sec. 121. N.Z. 24,311/*08*)	Williams	14,512

Class.	Subject.	Name.	Number.
	Group 83.—Waterworks.		
83.1	Preventing access of refuse to roof gutters by hinged coverings; two designs. (81.4.) (Sec. 85. 10,392/07)	Reseigh	12,367
83.1	Upward strainer for rain-water; horsehair between wire net frames in silt box	Johnson	13,111
83.1	Water softening plant; decanting pipe in lime tank lifted by a float in regulating box; compound float relay in settling tank for main valve. (74.8)	Bruce	13,679
83.5	Timber bulkheads for jointing wooden pipe lines at corners. (74.4; 80.8)	Kinnear	11,460
83.9	Time control of discharge of flush cisterns; cataract cylinder on valve rod. (86.2)	Malley	11,878
	Group 86.—Sanitation.		
86.1	Swing bracket for tip-up lavatory basin; basin swings to either side or folds flat against the wall. (45.5)	Monteith	12,654
86.2	Closure of flush-cistern valve delayed by cataract cylinder on valve rod. (83.9)	Malley	11,878
86.2	Slow closing duplex compound flushing valve; handle operated; four weep-adjusting screws; modified passages. (61.7)	Turnbull	13,716
	Group 87.—Medicine.		
87.4	Medicated tampon; soluble casing and plug with expansible filling; eleven designs	Pond	11,756
87.4	Castrating pliers; curved upper jaw entering slot of lower jaw; straight cutting blades removably attached close to the jaws by screws. (37.1)	Wilson	13,601
87.4	Surgical operating chair-couch; socket and rack details; worm adjustments. (45.2.) (Sec. 121. France, 16 June, 1908)	Roubinowitch	14,361
	Group 89.—War.		
89.3	Cartridge belt with transverse flat sheaths to engage double ended metal clips on pouches or suspenders	Batchelder	13,279
89.3	Cartridge belt with inwoven pouches having folded expanding bottoms and integral flaps; warp and pick scheme. (41.2)	Batchelder	13,356
89.5	Miniature range targets; indicating assumed distance and wind; recording results of aim on cards	Winder	13,412
89.5	Miniature landscape with several rows of moving targets; cord and lever connexions. (Sec. 121. G.B. 11,893/08)	Solano	14,632
	Group 90.—Wind and Flying Machines.		
90.7	Diagram; pump rod driven direct by spiral cams on geared disk; quick return. (60.2)	Saunders	13,251
	Group 92.—Marine Propulsion.		
92.2	Two-stage cruising turbines; segmental guides; partial admission in first expansion stage; three designs. (67.1; 67.2)	Parsons	13,357
	Group 93.—Road Vehicles.		
93.4	Attaching tyres by T-head spring-bolts recessed through wooden felloes; tubular screwed key for releasing the bolts	Brache	11,679
93.5	Radial feet supported by hydraulic pistons in hub with air reservoir in pneumatic ring; linked shoes. (97.83; 97.89)	Oudinot	11,696

Class.	Subject.	Name.	Number.
	Group 93.—Road Vehicles—*continued.*		
93.5	Elastic wheel; closely spaced radial slides with feet or treads overlapping in echelon; inner ends pressed out by single coiled spring. (97.6)	Green	12,046
93.9	Umbrella holder for vehicles, &c.; spring clip, wing nut, and sliding rod	Wells	12,032
	Group 94.—Cycles.		
94.1	Roller skate; two rollers in tandem under sole plate; two designs of rubber roller. (97.81)	Reeves	11,981
94.3	Cycle brake-lever handle with coiled brake-spring as detent. (62.4; 78.4; 95.7)	de Laitte	13,393
	Group 95.—Locomobiles.		
95.3	Exhaust fan for radiators; open circumference with central disk dust deflector; ball bearings. (69.6)	De Dion	13,142
95.7	Steering head with double grip by opposed coiled brake-springs. (62.4; 78.4; 94.3)	de Laitte	13,393
95.9	Roller and disk gear; speed and frictional pressure varied by radial motion of roller; diagrams. (62.7)	Tarrisse	11,648
	Group 96.—Rolling Stock.		
96.6	Open or closed electric systems indicating position of train pipe cocks; wires bedded in hose; contacts on cocks, &c.	Christie	12,235
96.6	Couplings for vacuum pipes; plug cocks with arms engaged and operated by lugs and stops on the opposed coupler	Pearson	13,400
	Group 97.—Wheels.		
97.6	Elastic wheel; closely spaced radial slides, with feet or treads overlapping in echelon; inner ends pressed out by single coiled spring. (93.5)	Green	12,046
97.81	Skate rollers; ball bearing hubs with round or flat solid rubber tyres; two designs. (94.1)	Reeves	11,981
97.81	Two-part clip-rims for coned felloes; interlocked rims connected by lugs with two sets of screws for removal separately or together. (Sec. 121. G.B. 27,954/*07*)	Webb	13,175
97.81	Central chain embedded in solid rubber with external compressing plate (*as* 10,701/*08*) bolted through the links	Torkington	13,418
97.81	Filling for tyres; japan glue dissolved in glycerine, with salicylic acid, tannin, lysoform and hexamethylene-tetramine. (03.2; 29.7) ..	Holst	13,542
97.83	Pneumatic hub with ring bag; pressure transmitted from radial feet by hydraulic pistons with corrugated rubber sleeves. (93.5; 97.89) ..	Oudinot	11,696
97.83	Cam or eccentric-expanded side ring for securing detachable rim and tyre; three designs. (Sec. 121. G.B. 18,075/*07*)	Smith	12,143
97.89	Studded tread for shoes of radial feet of hydro-pneumatic wheel. (93.5; 97.83)	Oudinot	11,696
	Group 99.—Signalling.		
99.4	Tablet exchanging; twisted hooks on track-post and on adjustable arm on locomotive	Clark	13,284

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Vol. 9.—Statistics and Indexes, 1908.

Notice to Librarians.

This Volume was completed on the 25th May, 1909, by the issue of the Title sheet and Contents with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

Vol. 2, 1905, xii + 778 pages; 50 Nos.
Vol. 4, 1906, viii + 678 pages; 52 Nos.
Vol. 6, 1907, viii + 848 pages; 50 Nos.
Vol. 8, 1908, viii + 860 pages; 49 Nos.
Vol. 10, for 1909, in progress.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

Vol. 1, 1904, xvi + 280 pages; 1 part.
Vol. 3, 1905, xvi + 576 pages; 7 parts.
Vol. 5, 1906, xxiv + 634 pages; 6 parts.
Vol. 7, 1907, xxxii + 276 pages; 5 parts.

Vol. 9, 1908, xxvi + 262 pages; 5 parts.

Part A, Statistics	Issued 25 May, 1909
,, B, Names	,, 19 Jan., 1909
,, C, Classification	,, 26 Jan., 1909
,, D, Numerical	,, 16 Mar., 1909
,, E, States Proceedings	,, 23 Mar., 1909

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Sections A to Z for 1905 have been issued, containing 416 pages up to Application No. 3677, 21 July.

THE PATENTS REGULATIONS, 1909.

First Schedule.

FEES SET OUT IN THE SECOND SCHEDULE TO THE ACT.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

OTHER FEES.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On application for enlargement of time for lodging complete specification	1	0	0
6A. On application for extension of time under Regulation 32—			
Not exceeding one month ...	2	0	0
Not exceeding two months ...	4	0	0
Not exceeding three months ...	6	0	0
7. On application for enlargement of time for acceptance of complete specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
8. On appeal from Commissioner to Law Officer	3	0	0
9. On application to lodge further evidence in Opposition Cases. By person making application	2	0	0
10. On hearing by Commissioner of application to lodge further evidence in Opposition Cases. By applicant and by opponent respectively	1	0	0
11. On hearing by Commissioner in Opposition Cases. By applicant and by opponent respectively	1	0	0
12. On application to amend specification. Before sealing	2	0	0
13. On application to amend specification after lodgment of notice of opposition	3	0	0
14. On application to amend specification. After sealing	3	0	0
15. On lodging notice of opposition to application to amend	2	0	0
16. On hearing by Commissioner of application to amend. By applicant and by opponent respectively	1	0	0
17. On application to amend specification during action for infringement or proceeding for revocation	3	0	0
18. On request to amend any document under Regulation 142	2	0	0
19. On application for enlargement of time for sealing a patent delayed through error or accident—			
Not exceeding one month ...	5	0	0
Not exceeding two months ...	10	0	0
Not exceeding three months ...	15	0	0
20. On enlargement of time for payment of renewal fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
21. For duplicate of Letters Patent, each	2	0	0
22. On making request under Regulation 124 to be informed of any dealings in connexion with a patent ...	1	0	0
23. On application for a compulsory licence. By person applying ...	5	0	0
24. On opposition to grant of compulsory licence. By opponent	3	0	0
25. On application to lodge further evidence under Regulation 139. By person making application ...	2	0	0
26. On hearing by Commissioner of application to lodge further evidence under Regulation 139. By applicant and by opponent respectively ...	1	0	0
27. On application to Court for extension of patent	10	0	0
28. On entering caveat	5	0	0
29. On application for entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent ...	1	0	0
30. On application to alter name or address in Register	0	10	0
31. On application to correct clerical error in Register	0	10	0
32. On application to correct clerical error, before sealing	0	5	0
33. On application to correct clerical error, after sealing	0	10	0
34. Office copies of documents, for every 100 words, but never less than One shilling	0	0	6
35. For examination of copies not made in the office, for every 100 words, but never less than One shilling ...	0	0	3
36. For office copies of drawings, sun prints per sheet	0	1	0
36A. For office copies of drawings (according to agreement).			
37. For examination of drawings or sun prints, not made in the office, but never less than One shilling per sheet	0	0	6
38. For certifying office copies, MSS. or printed each	0	5	0
39. For certificate of Commissioner under section 28 of the Act	0	10	0
40. Search or inspection fee ... each	0	1	0
41. Annual search fee	5	0	0
42. Examination entry fee by candidate for Patent Attorney's examination	2	0	0
43. Fee for registration as a Patent Attorney	5	0	0
44. Annual fee payable by a Patent Attorney	2	0	0
45. Additional fee for restoration of Patent Attorney's name to Register ...	0	10	0